

GENERAL SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
## T###	DETAIL REFERENCE (TOP = DETAIL NUMBER, BOTTOM = SHEET NUMBER)
○	VIEWPORT/DETAIL NOTATION
00	KEYNOTES
PBO	PROVIDED BY OTHERS
AFF	ABOVE FINISHED FLOOR
AC	ABOVE COUNTER
UNO	UNLESS NOTED OTHERWISE
EC	DIVISION 26 ELECTRICAL CONTRACTOR
PSC	PREMISE SECURITY CONTRACTOR
SCC	STRUCTURAL CABLING CONTRACTOR

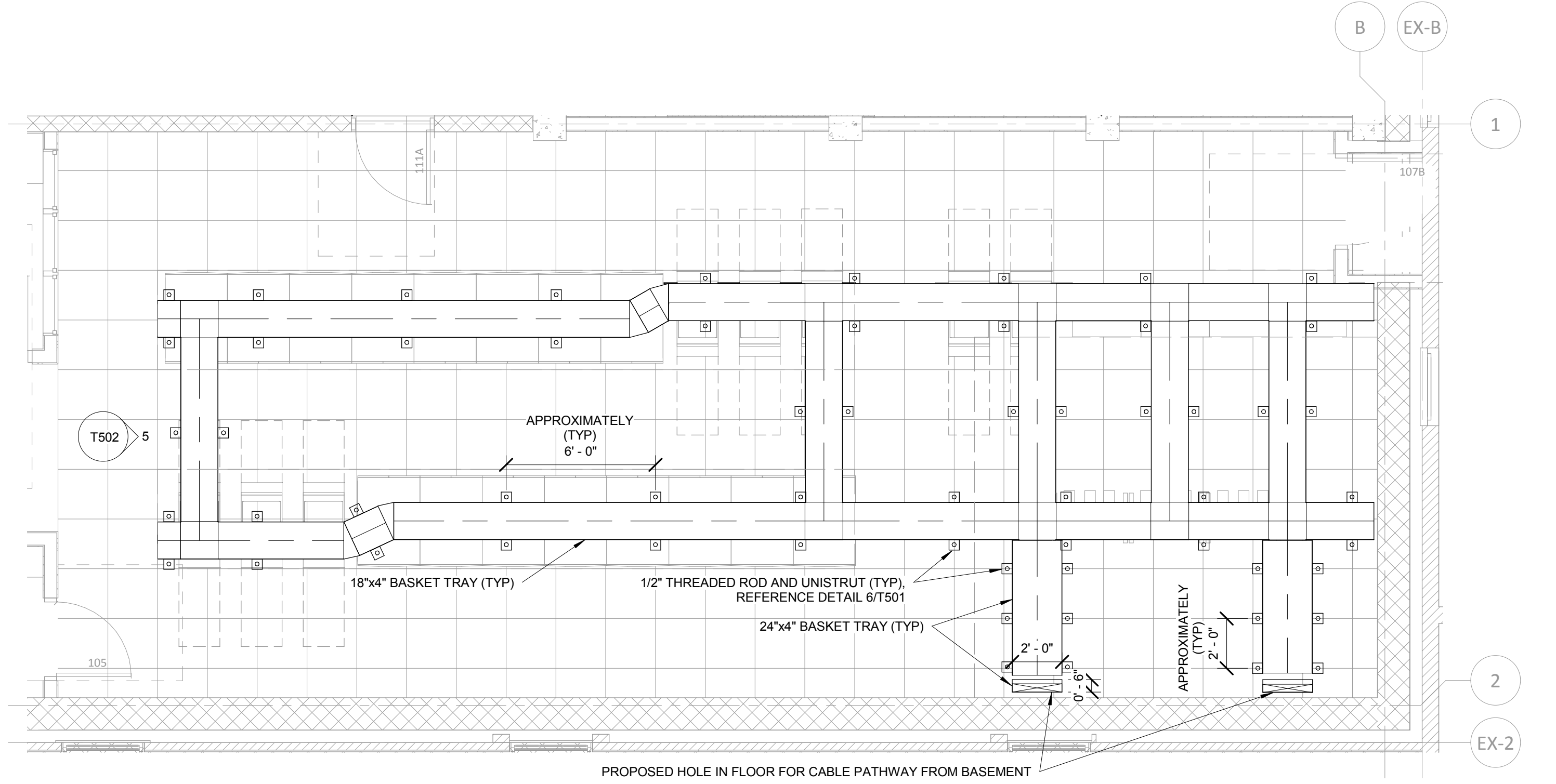
STRUCTURED CABLING LEGEND	
SYMBOL	DESCRIPTION
#	TELECOMMUNICATIONS OUTLET, # = NUMBER OF CAT 6 VOICE/DATA CABLES/JACKS
#	TELECOMMUNICATIONS OUTLET, # = NUMBER OF CAT 6 VOICE/DATA CABLES/JACKS, SURFACE MOUNT
W	WALL MOUNT PHONE (ONE CAT 5e CABLE/JACK)
	CABLING SLEEVE (1-1/4" UNLESS NOTED OTHERWISE)
	TYPICAL LADDER RACK (18"x4" UNLESS NOTED OTHERWISE)
	TYPICAL CABLE TRAY, BASKET STYLE (24"x4" UNLESS NOTED OTHERWISE)
	DATA CABINET
	4-POST RACK

TECHNOLOGY SHEET INDEX	
SHEET NUMBER	SHEET NAME
T101	TECHNOLOGY - LEVEL ONE
T102	TECHNOLOGY - FLOOR PLAN - SECURITY
T200	TECHNOLOGY - SITE PLAN
T201	TECHNOLOGY - DEMOLITION
T202	TECHNOLOGY - STEAM TUNNELS - EAST
T203	TECHNOLOGY - STEAM TUNNELS - WEST
T501	TECHNOLOGY DETAILS
T502	TECHNOLOGY DETAILS
T503	TECHNOLOGY DETAILS

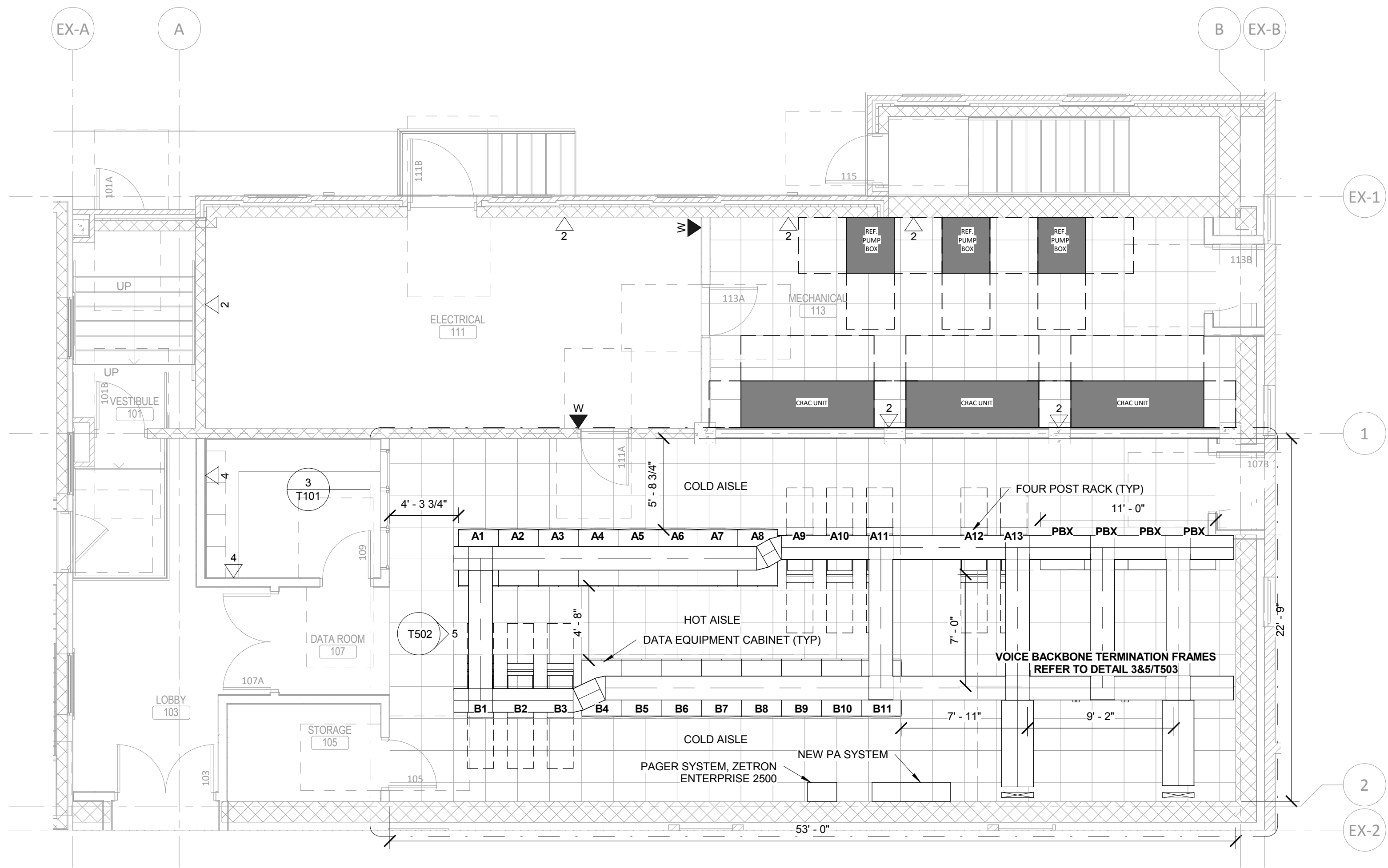
TECHNOLOGY - KEYNOTES	
1	CONTRACTOR SHALL RELOCATE, RECONNECT, CONFIGURE, AND VERIFY OPERATION OF EXISTING PA SYSTEM FROM BUILDING 108 (ELECTRONICS, WIRING, AND CABINETS) AT THIS LOCATION. CONTRACTOR SHALL SUBMIT CUT-OVER PLAN WITH PRECONSTRUCTION SUBMITTALS. CONTRACTOR SHALL COORDINATE WITH OWNER FOR ANY NECESSARY SERVICE OUTAGES, WHICH SHALL BE MINIMIZED DUE TO LIFE SAFETY CONCERNS. CONTRACTOR SHALL VERIFY CONDITION OF EQUIPMENT PRIOR TO SUBMITTING A BID. SHALL DOCUMENT OPERATION AND CONDITION OF THE EQUIPMENT BEFORE RELOCATION, AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE SYSTEM DURING RELOCATION.

## TECHNOLOGY - GENERAL NOTES

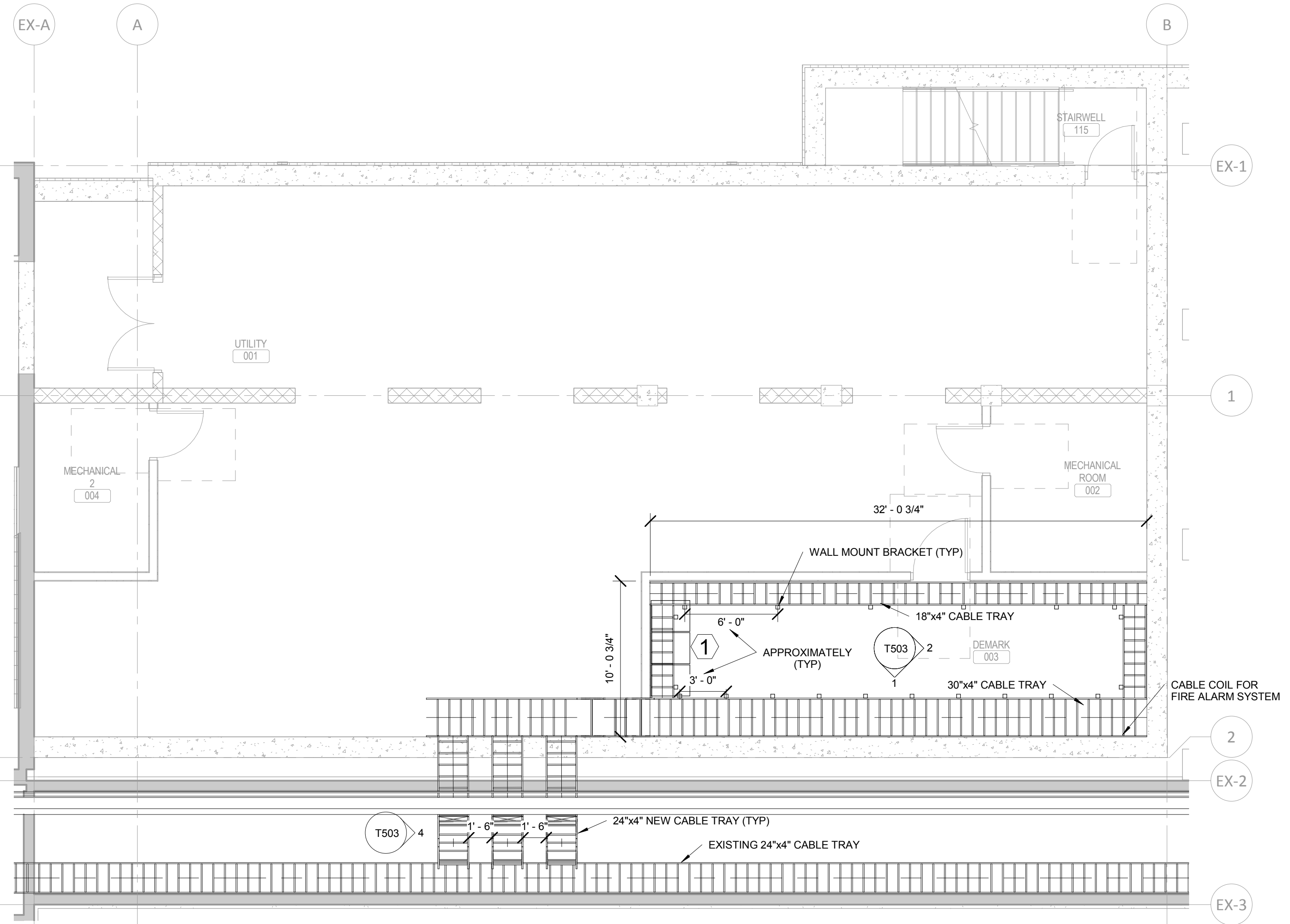
- ALL CABLES SHALL BE CONCEALED.
- ALL CONDUIT MEASUREMENTS REFER TO STANDARD CONDUIT TRADE SIZES.
- NOT ALL KEYNOTES MAY BE UTILIZED ON EVERY SHEET.
- IT IS THE INTENT THAT EACH CONTRACTOR INCLUDE ALL REQUIRED MATERIALS FOR A NEATLY DRESSED CABLING PATHWAY SYSTEM AS INDICATED ON THESE DRAWINGS AND SPECIFICATIONS. ALL REQUIRED MATERIALS SHALL BE INCLUDED IN BID.
- EACH CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY SLEEVES, WHETHER OR NOT SPECIFICALLY NOTED ON PROJECT DRAWINGS. ALL SLEEVES SHALL BE 1-1/4" UNLESS NOTED OTHERWISE ON THE DRAWINGS. CABLE FILL PERCENTAGE SHALL COMPLY WITH NEC.
- EACH CONTRACTOR SHALL MAKE NECESSARY ADJUSTMENTS IN J-HOOK SUPPORT PATHS TO AVOID CONFLICTS WITH HVAC AND ELECTRICAL DEVICES/EQUIPMENT AND WORK OF OTHER TRADES.
- EVERYTHING SHOWN ON THE DRAWINGS SHALL BE PROVIDED AND INSTALLED BY THE APPROPRIATE CONTRACTOR UNLESS NOTED OTHERWISE. ALL CONDUIT, BACKBOXES, JUNCTION BOXES, FLOOR BOXES AND IN-WALL BOXES SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR (EC) UNLESS NOTED OTHERWISE.
- DIV. 26 EC SHALL PROVIDE ALL CONDUIT, BACK BOXES, JUNCTION BOXES AND CUSTOM BOXES AS NOTED ON INFRASTRUCTURE DETAILS SHEET.
- AT EACH DOOR WITH CARD READER, THE PREMISE SECURITY CONTRACTOR (PSC) SHALL PROVIDE AND INSTALL A DPDT DOOR POSITION SWITCH (CONNECTED TO BOTH THE ACCESS CONTROL SYSTEM AND THE INTRUSION DETECTION SYSTEM), CARD READERS, AND PROVIDE AND INSTALL ALL NECESSARY LOW-VOLTAGE WIRING FROM ELECTRONIC LOCKING HARDWARE (ELECTRIC STRIKE, POWERED CRASHBAR OR ELECTRIC TRIMMING) TO POWER SUPPLIES. OTHERS WILL PROVIDE LOCKING HARDWARE.
- DOOR DETAIL INDICATES DOOR HANDLE OR CRASHBAR ON SECURED SIDE OF DOOR FOR REFERENCE ONLY. REFER TO DIVISION 8 DOOR HARDWARE DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- LOCK POWER WILL VARY DEPENDING ON LOCK TYPE AND DOOR HARDWARE. REFER TO DIVISION 8 DOOR HARDWARE SCHEDULES FOR POWER REQUIREMENTS. CONTRACTOR SHALL CROSS REFERENCE WITH OFFICIAL DOOR HARDWARE SCHEDULE/SPECIFICATIONS TO CONFIRM FINAL REQUIREMENTS.
- CONTRACTOR SHALL COORDINATE WORK WITH OTHER TRADES AND CENTURY LINK.



3 DATA CENTER - CABLE TRAY LAYOUT  
SCALE: 1/4" = 1'-0"

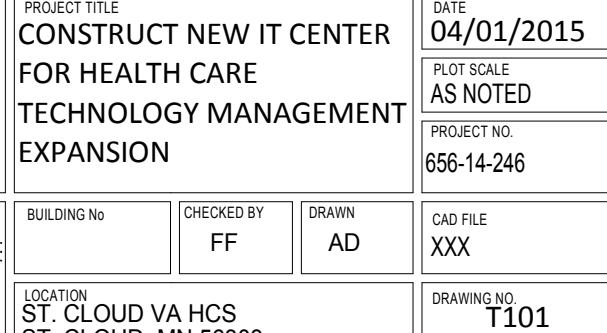
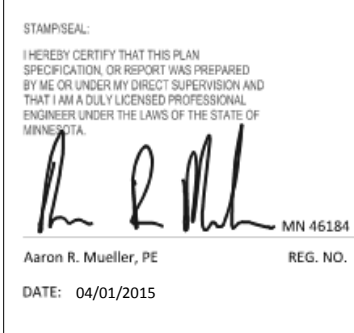


1 TECHNOLOGY - LEVEL ONE - FLOOR PLAN  
SCALE: 3/16" = 1'-0"

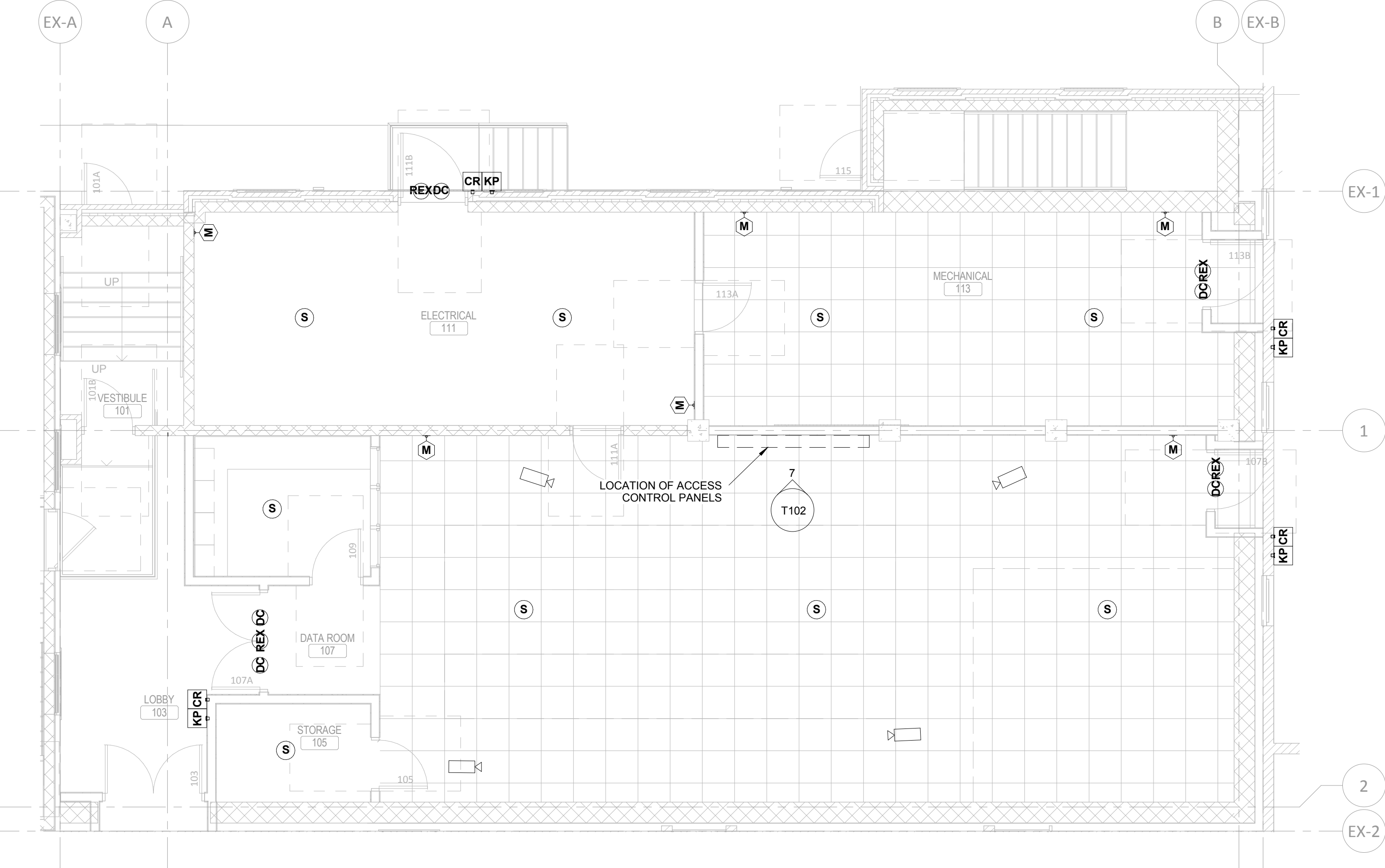


2 TECHNOLOGY - BASEMENT - FLOOR PLAN  
SCALE: 3/16" = 1'-0"

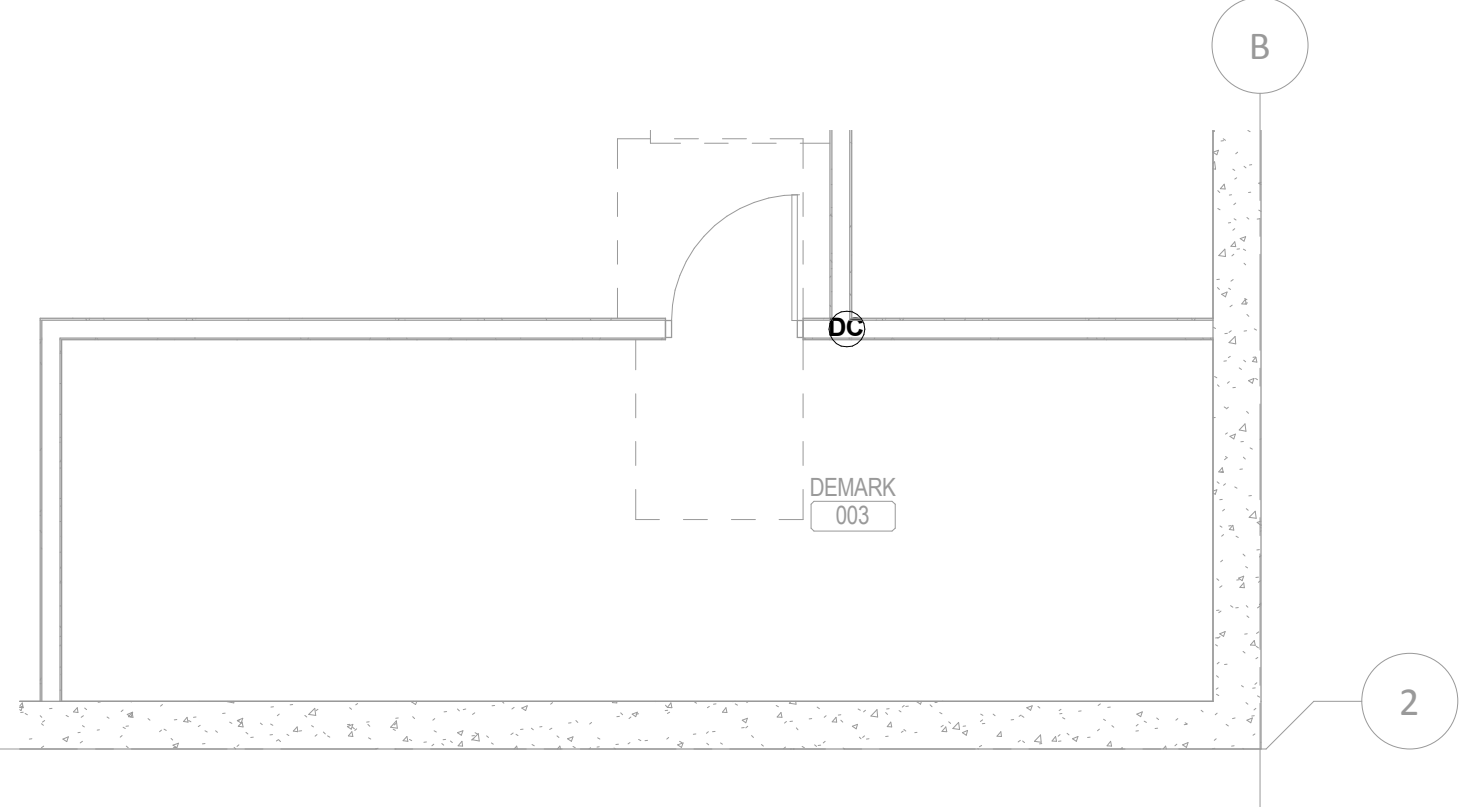
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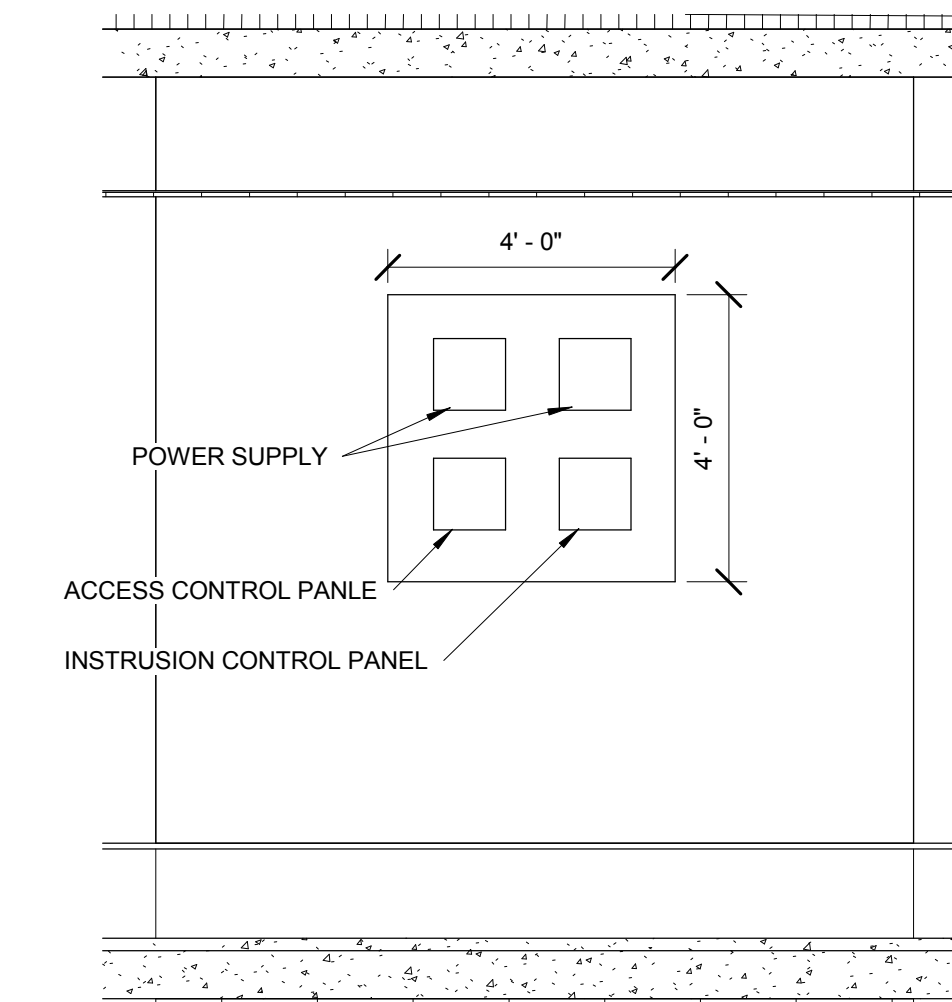
PREMISE SECURITY LEGEND	
SYMBOL	DESCRIPTION
CR	CARD READER
M	MOTION DETECTOR
DC	DOOR CONTACT/MONITOR
REX	REQUEST TO EXIT
	STANDARD IP SURVEILLANCE CAMERA, (1) CAT 6 CABLE
S	PAGING SPEAKER



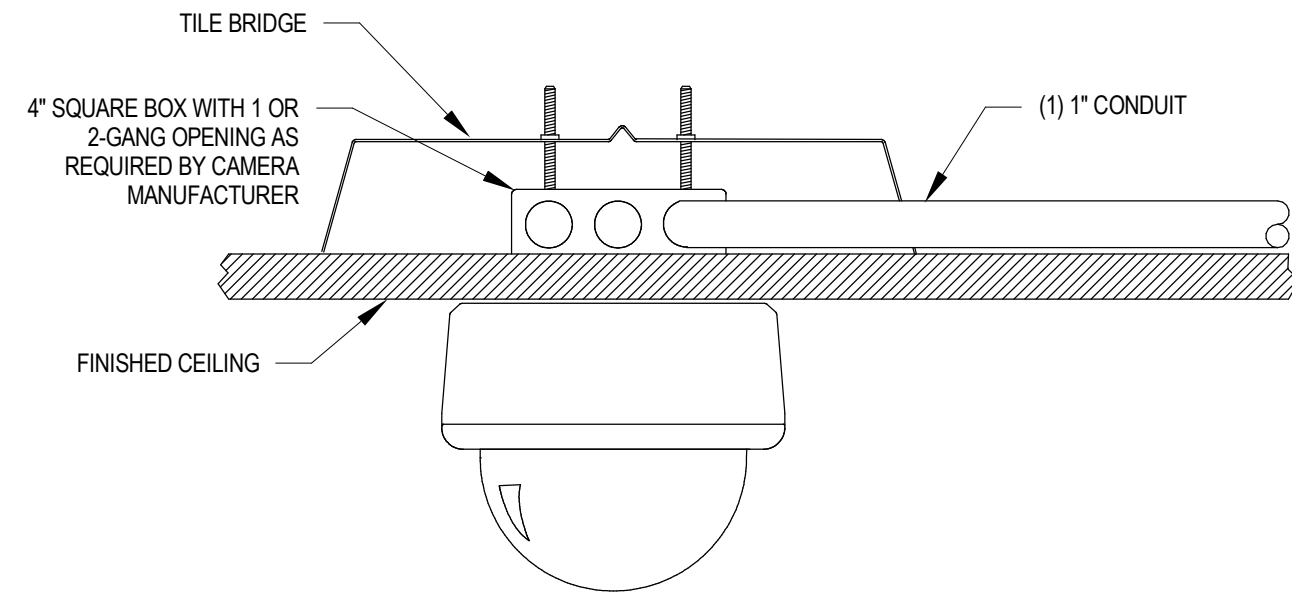
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SCALE: 3/16" = 1'-0"



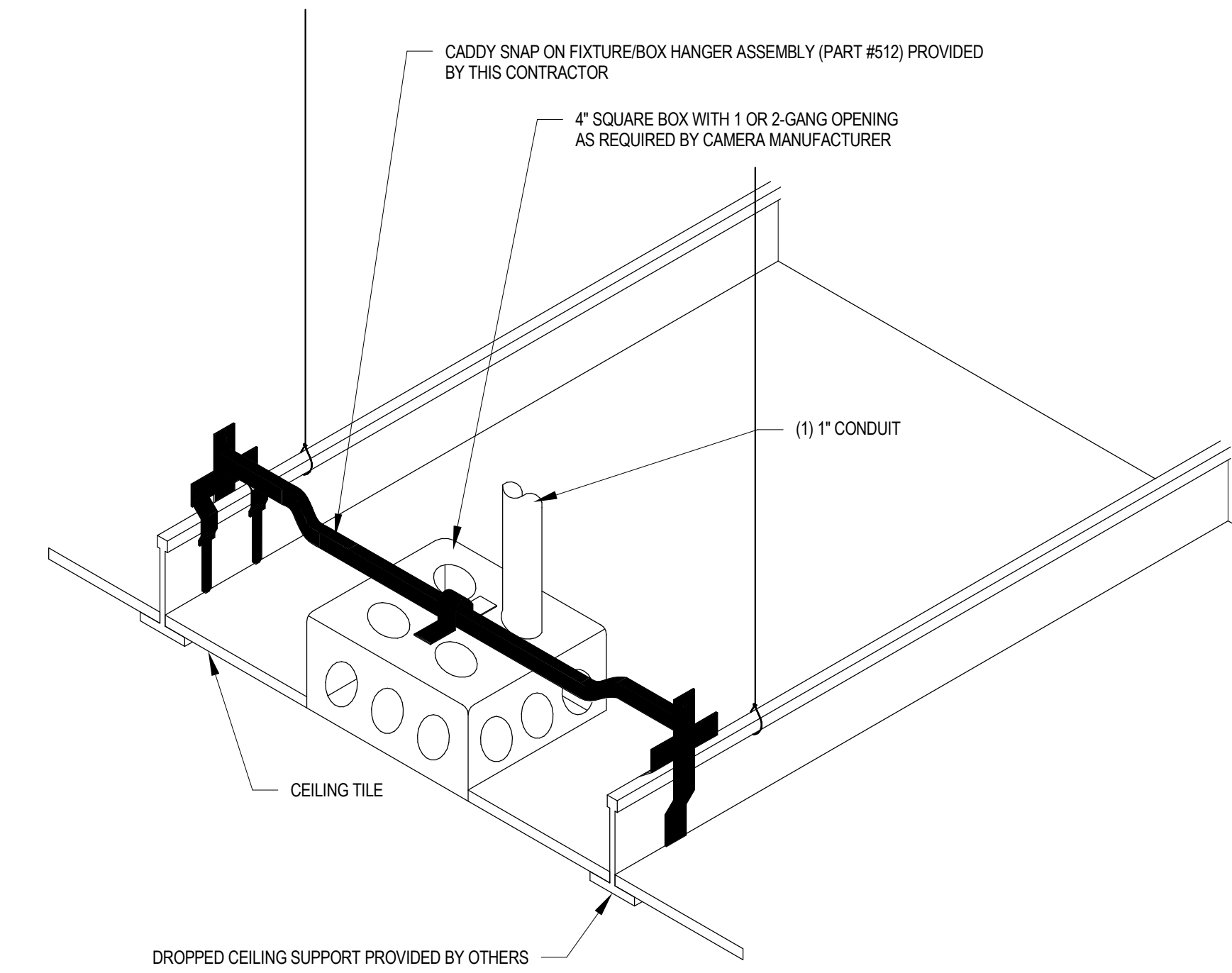
6 TECHNOLOGY - BASEMENT - DEMARC - SECURITY  
SCALE: 3/16" = 1'-0"



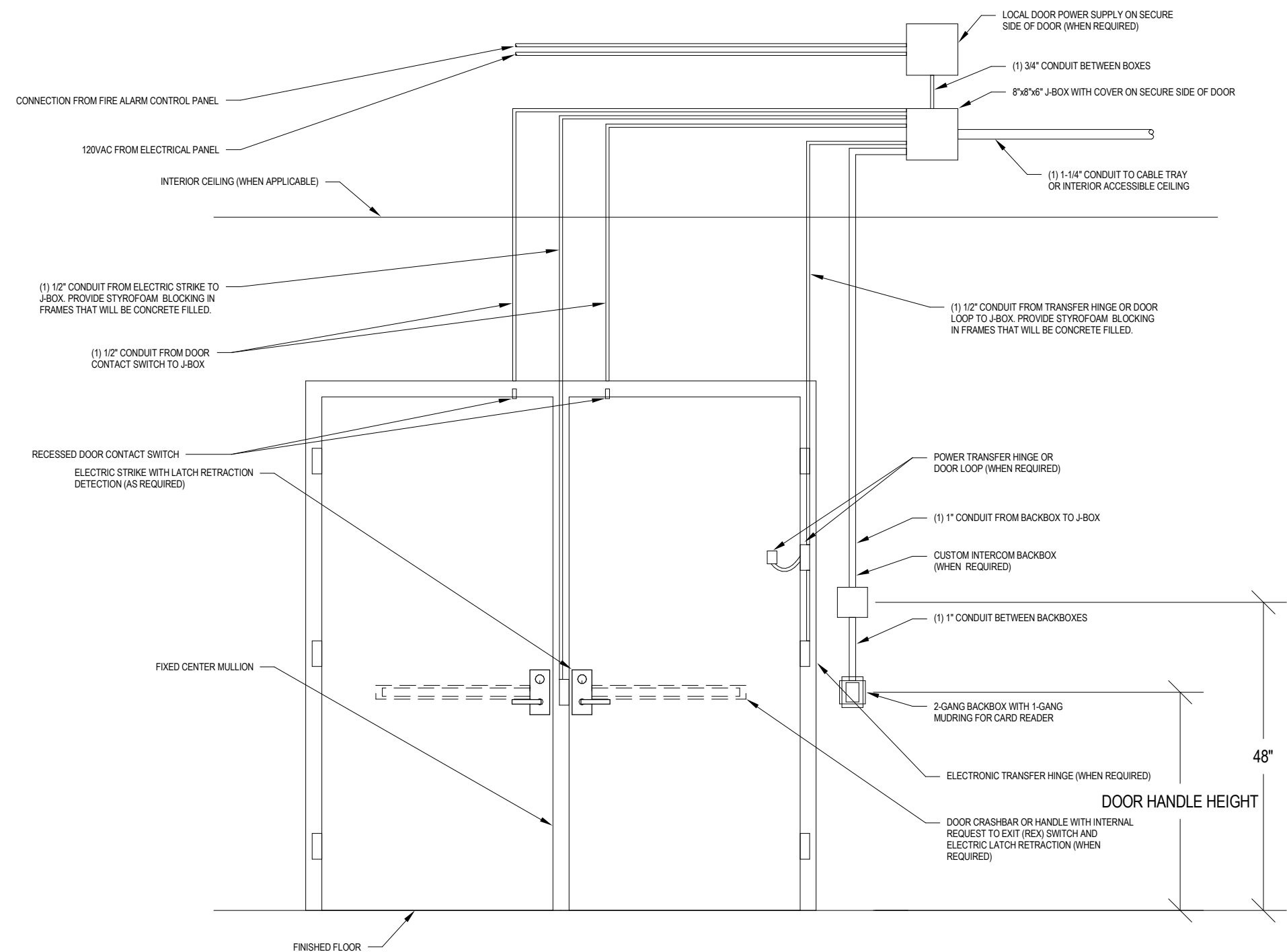
7 DATA CENTER SECURITY PANEL ELEVATION  
SCALE: 3/8" = 1'-0"



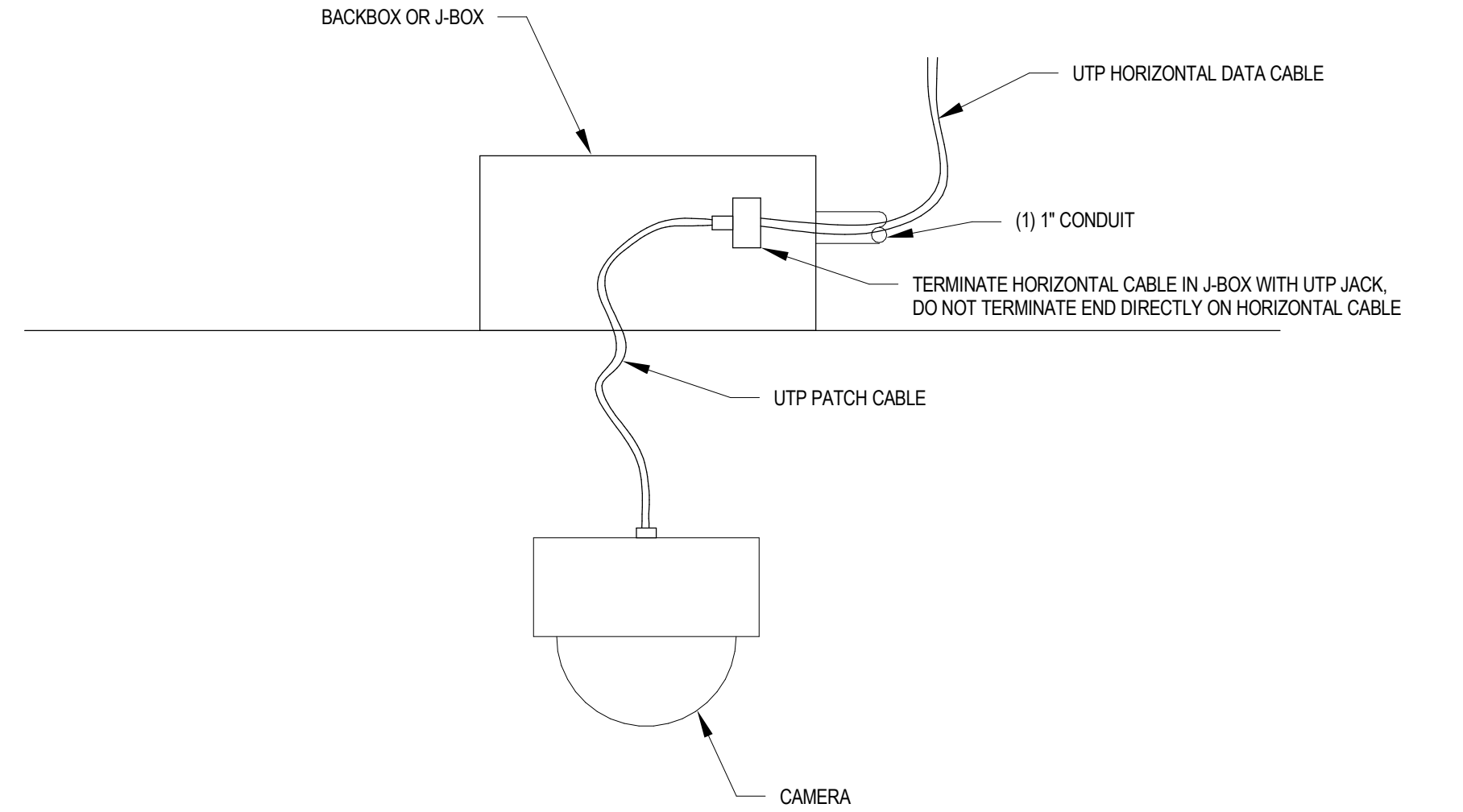
2 TYPICAL DROP TILE/FINISHED CEILING CAMERA MOUNT  
SCALE: NTS



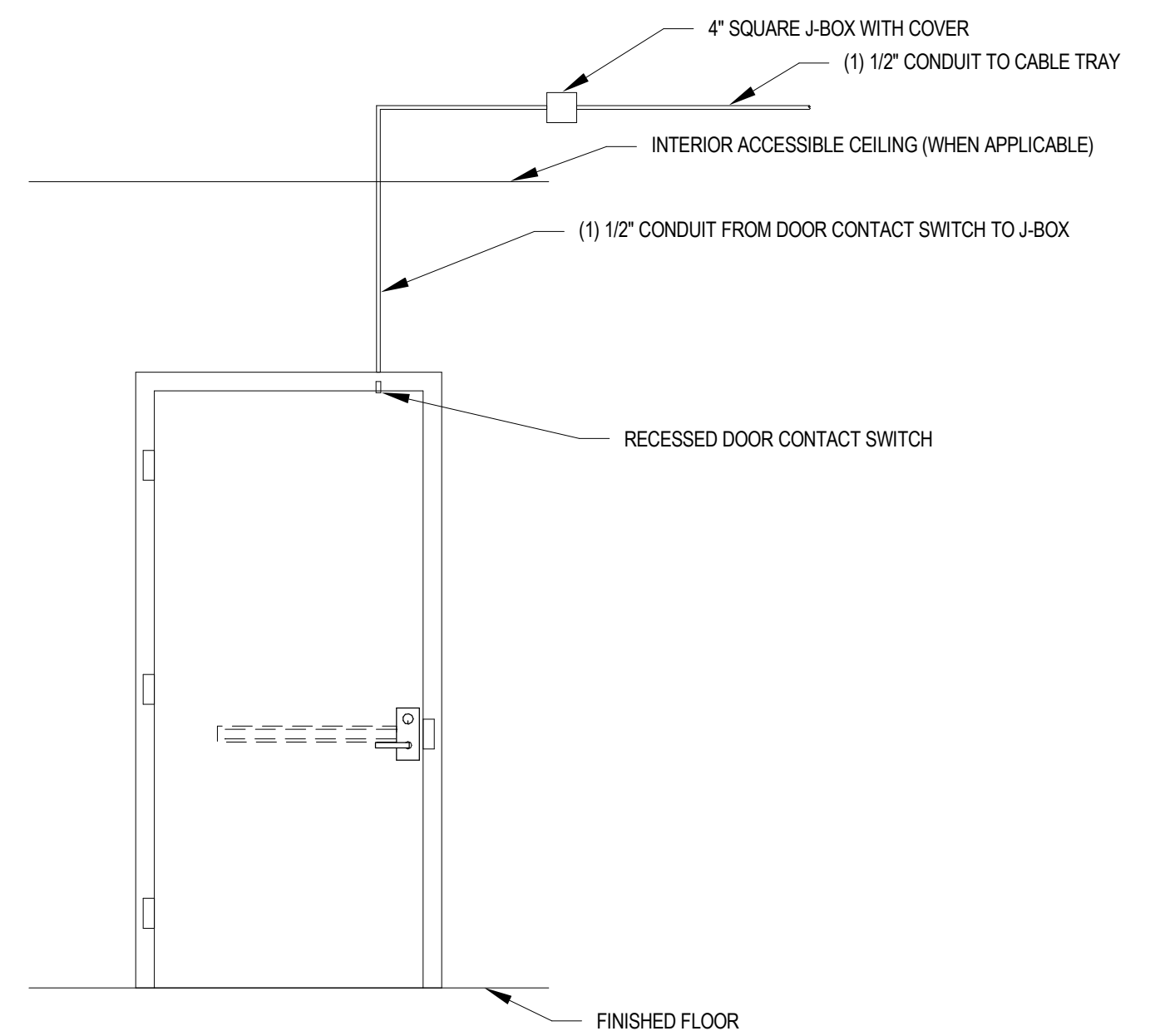
4 TYPICAL TILE BRIDGE SUPPORT DETAIL  
SCALE: NTS



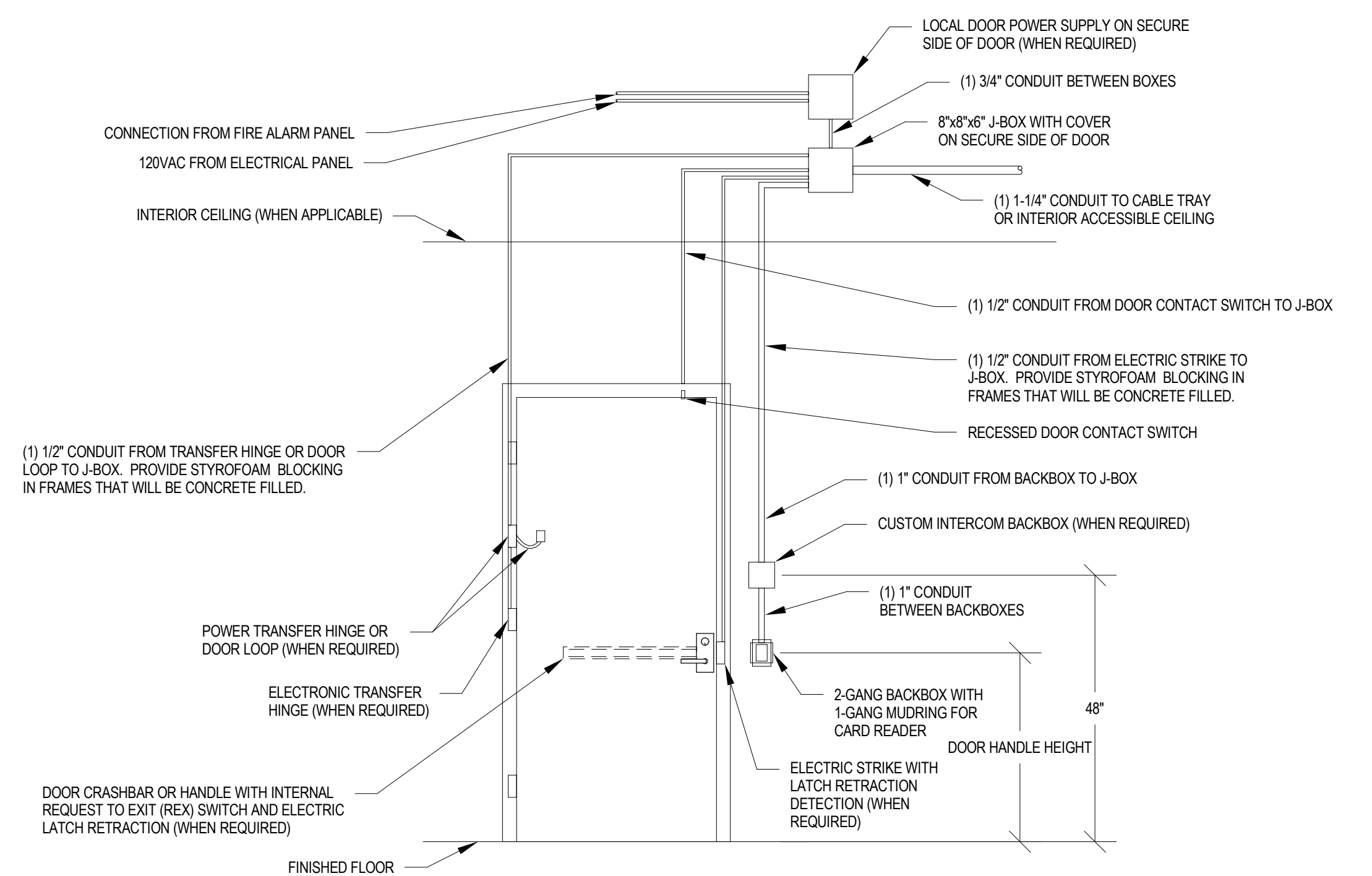
8 TYPICAL UNIVERSAL DOUBLE DOOR ROUGH-IN DETAIL  
SCALE: NTS



3 TYPICAL CAMERA INSTALLATION SECTION DETAIL  
SCALE: NS



5 TYPICAL UNIVERSAL SINGLE DOOR DC ROUGH-IN DETAIL  
SCALE: NTS



9 TYPICAL UNIVERSAL SINGLE DOOR ROUGH-IN DETAIL  
SCALE: NTS

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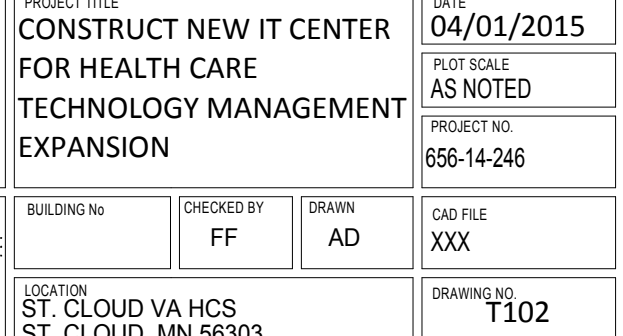
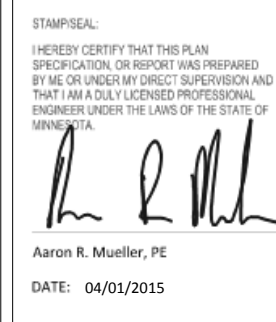


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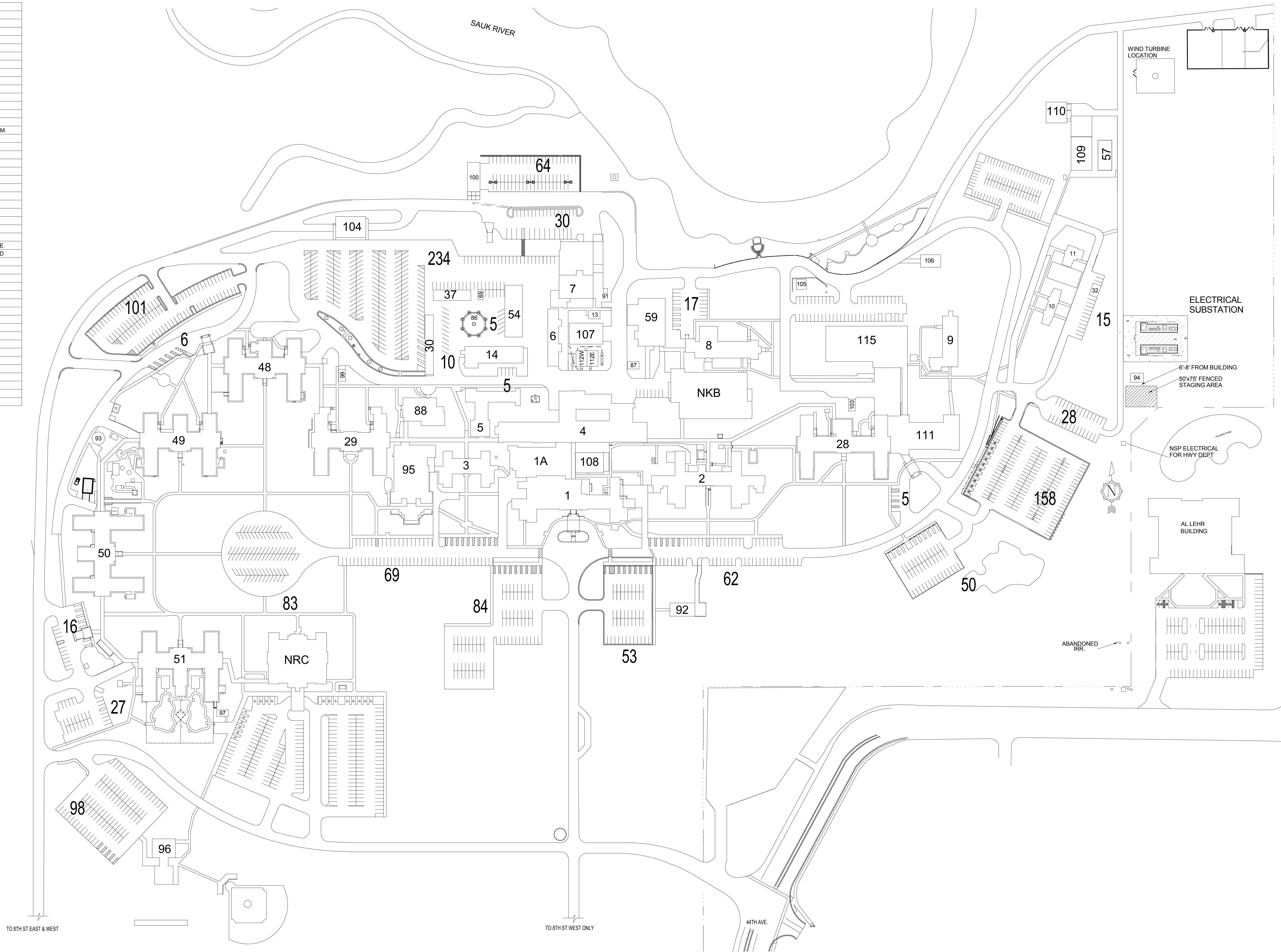


656-14-246



No.	BUILDING SCHEDULE
1	OUTPATIENT CLINIC
2	CHEMICAL DEPENDENCE
3	F.M.S. & DENTAL
4	DIETETICS & ADMINISTRATION
5	PHARMACY
6	UTILITY SHOPS
7	BOILER HOUSE
8	AUDITORIUM/RECREATION
9	DOMICILIARY-POLICE
10	DSS
11	VACANT
13	ENGINEER STORAGE
14	SUPPLY WAREHOUSE
28	MENTAL HEALTH
29	AUDIOLOGY, RELEASE OF INFORM.
30	SUPPLY & ENGINEER STORAGE
32	THREE CAR STORAGE
48	A.D.H.C. NURSE ED.
49	COMMUNITY LIVING CENTER
50	COMMUNITY LIVING CENTER
51	COMMUNITY LIVING CENTER
54	STATION GARAGE
57	CWT
59	LAUNDRY
69	STORAGE
86	WATER TOWER
87	PUMPING STATION
88	CHAPEL
91	BOILER BLOWDOWN PUMPHOUSE
92	V.F.W. RECREATION-DR. REID BLD
93	A.L.A. RECREATION
94	ELECTRIC METER HOUSE
95	CANTEEN
96	RECREATION
97	GENERATOR
98	GENERATOR
99	GENERATOR
100	ENGINEERING STORAGE
101	GENERATOR
102	GENERATOR
103	GENERATOR
104	SUPPLY WAREHOUSE
105	STORAGE
106	GAME FARM
107	ENGINEERING STORAGE
108	PHARMACY/TELEPHONE
111	MENTAL HEALTH
T100	PATIENT ADVOCATE

FENCE LINE



1 CAMPUS SITE PLAN  
SCALE: 1" = 100'-0"

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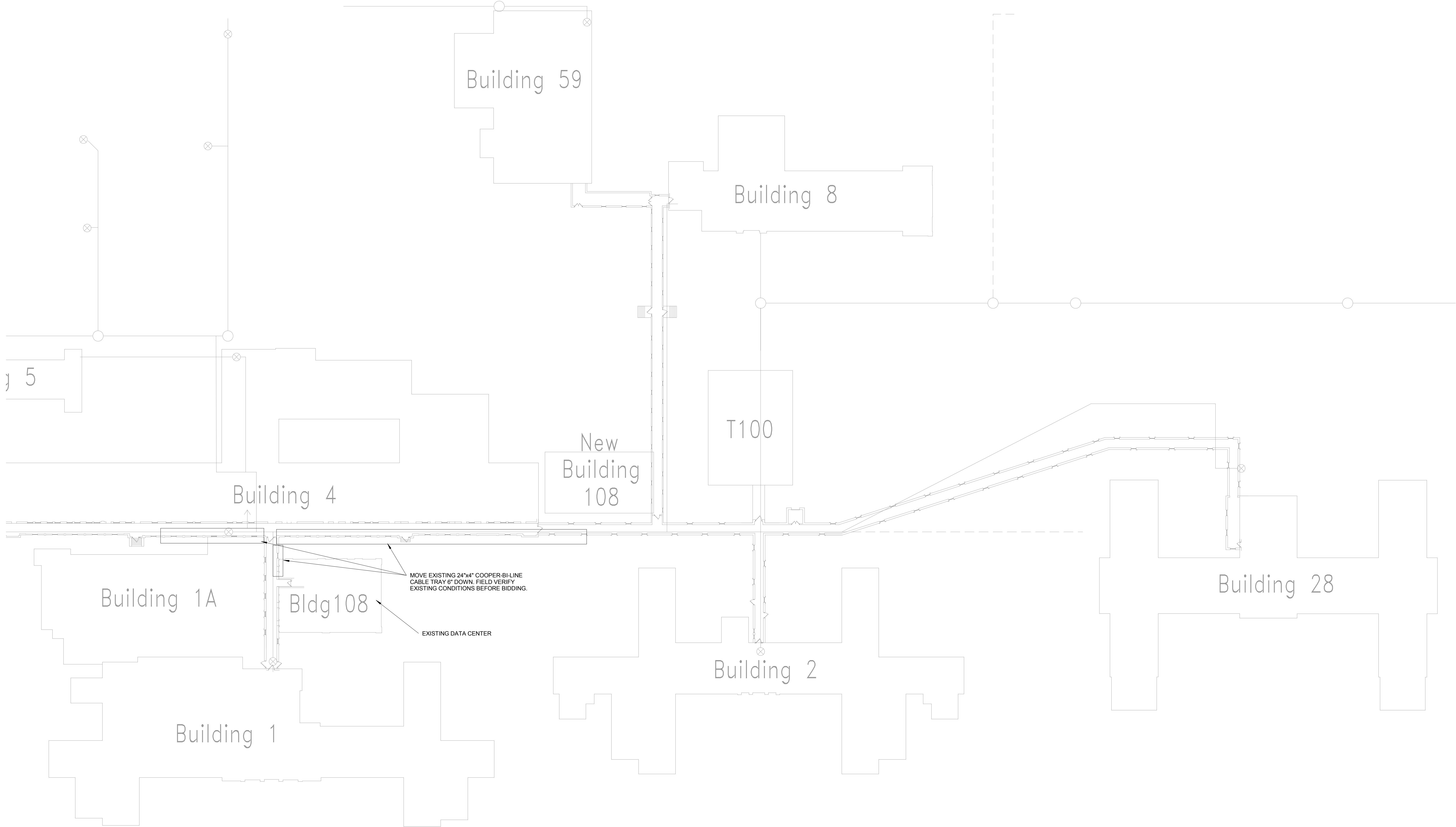
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CONSTRUCT NEW IT CENTER  
FOR HEALTH CARE  
TECHNOLOGY MANAGEMENT  
EXPANSION

BUILDING No. 100  
CHECKED BY FF  
DRAWN AD  
DATE FILE XXX  
DRAWING NO. T200

DATE 04/01/2015  
PROJECT NO. 656-14-246  
DATE FILE XXX  
DRAWING NO. T200







1 STEAM TUNNELS - EAST  
SCALE: 1" = 30'-0"

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DRAWING TITLE  
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- EAST  
PROJECT NO.  
656-14-246  
DATE  
04/01/2015

PROJECT TITLE  
CONSTRUCT NEW IT CENTER  
FOR HEALTH CARE  
TECHNOLOGY MANAGEMENT  
EXPANSION  
BUILDING No.  
CHECKED BY  
FF  
DRAWN  
AD  
DATE  
04/01/2015

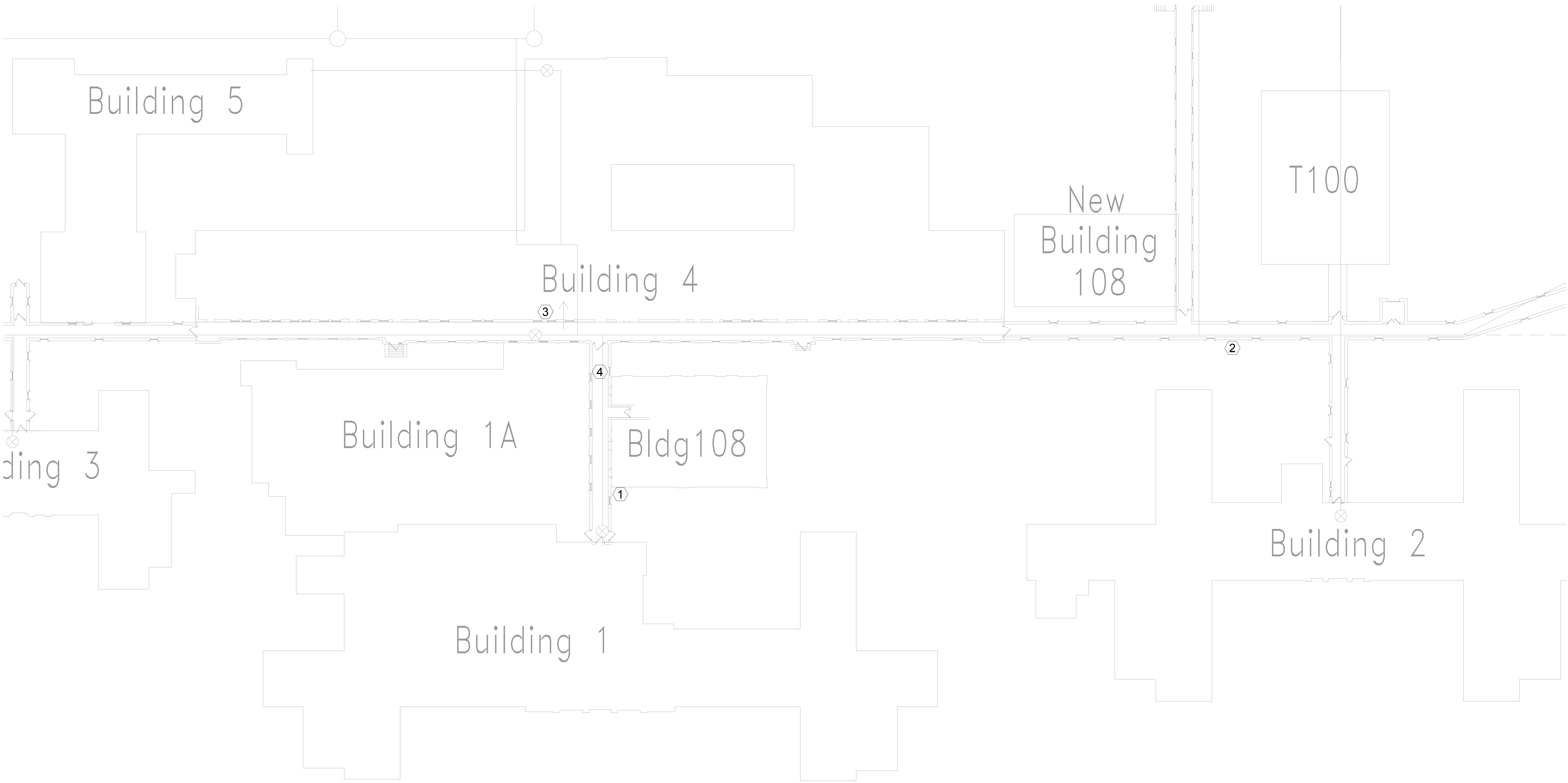
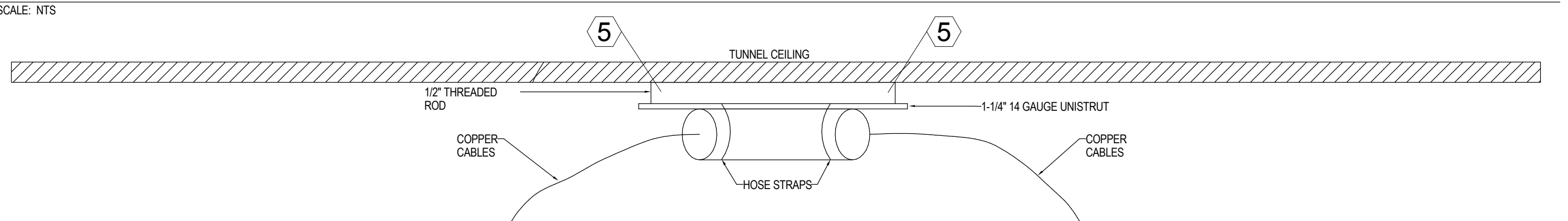
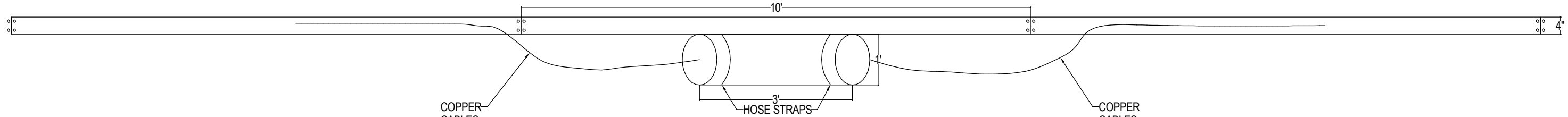
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PROJECT NO.  
656-14-246  
DATE  
04/01/2015



- GENERAL NOTES:
1. ALL CABLES AND CABLE PAIRS SHALL BE IDENTIFIED WITH A CABLE TAG PRIOR TO ANY WORK OPERATIONS TAKING PLACE.
  2. ALL SPLICING WORK BEING PERFORMED SHALL BE SHOWN ON THE SHOP DRAWINGS AND BE APPROVED BY THE OWNER BEFORE SPLICING WORK STARTS.
  3. FIELD COORDINATE PRIOR TO BIDDING THE LOCATIONS OF COPPER SPLICING ENCLOSURES AND MOUNTING.

- KEYNOTES:
1. PROVIDE ALL MATERIAL AND LABOR NEEDED FOR HALF TAP SPLICING OF THE EXISTING TWO (2) 1200 PAIRS, ONE (1) 200 PAIRS, THREE (3) 100 PAIRS, AND TWO (2) 50 PAIRS COPPER BACKBONE CABLES FROM THE BUILDINGS 1 AND 1A WITH NEW COPPER BACKBONE CABLES. NEW COPPER BACKBONE CABLES SHALL BE TERMINATED IN NEW BUILDING 108. PROVIDE AND INSTALL NEW BACKBONE CABLE IN THE EXISTING CABLE TRAY.
  2. PROVIDE ALL MATERIAL AND LABOR NEEDED FOR HALF TAP SPLICING OF THE EXISTING THREE (3) 1200 PAIRS, FIVE (5) 600 PAIRS, FOUR (4) 200 PAIRS, AND THREE (3) 100 PAIRS COPPER BACKBONE CABLES FROM BUILDINGS 2, 8, 9, 10, 11, 28, 109, 110, 111 WITH NEW COPPER BACKBONE CABLES. NEW COPPER BACKBONE CABLES SHALL BE TERMINATED IN NEW BUILDING 108. PROVIDE AND INSTALL NEW BACKBONE CABLE IN THE EXISTING CABLE TRAY.
  3. PROVIDE ALL MATERIAL AND LABOR NEEDED FOR HALF TAP SPLICING OF THE EXISTING TWO (2) 1200 PAIRS, AND ONE (1) 200 PAIRS COPPER BACKBONE CABLES FROM BUILDINGS 4, 6, AND 7 WITH NEW COPPER BACKBONE CABLES TO NEW BUILDING 108. PROVIDE AND INSTALL NEW BACKBONE CABLE IN THE EXISTING CABLE TRAY.
  4. PROVIDE ALL MATERIAL AND LABOR NEEDED FOR HALF TAP SPLICING OF THE EXISTING SEVEN (7) 1200 PAIRS, FOUR (4) 600 PAIRS, FOUR (4) 200 PAIRS, AND SIX (6) 100 PAIRS COPPER BACKBONE CABLES FROM BUILDINGS 3, 5, 14, 28, 48, 49, 50, 51, 53, 88, 98, 99 WITH NEW COPPER BACKBONE CABLES. NEW COPPER BACKBONE CABLES SHALL BE TERMINATED IN NEW BUILDING 108. PROVIDE AND INSTALL NEW BACKBONE CABLE IN THE EXISTING CABLE TRAY.
  5. FIELD COORDINATE LENGTH OF THREADED RODS.

- NOTES:
1. TEMPORARILY REMOVE 10' SECTION OF EXISTING CABLE TRAY AND DROP DOWN THE CABLE FOR SPLICING WORK.
  2. SPLICING THE EXISTING COPPER CABLE WITH NEW CABLES. UTILIZE HALF TAP SPLICING.
  3. REINSTALL THE 10' SECTION OF THE CABLE TRAY TO ORIGINAL LOCATION.
  4. SECURE COPPER SPLICING ENCLOSURE TO THE BOTTOM OF EXISTING CABLE TRAY WITH HOSE CLAMP.



1 STEAM TUNNELS - ALTERNATE  
SCALE: 1" = 20'-0"

NO.	REVISION	DATE



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AUTHOR: A. Mueller, PE  
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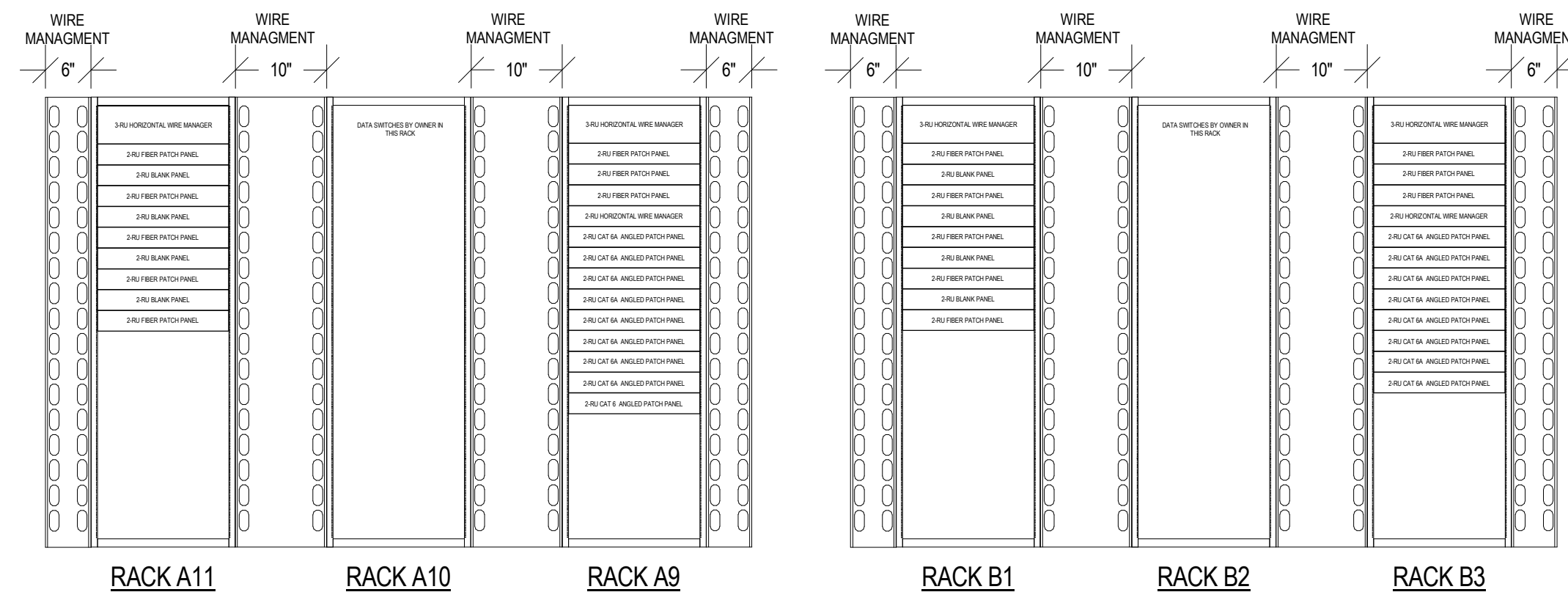
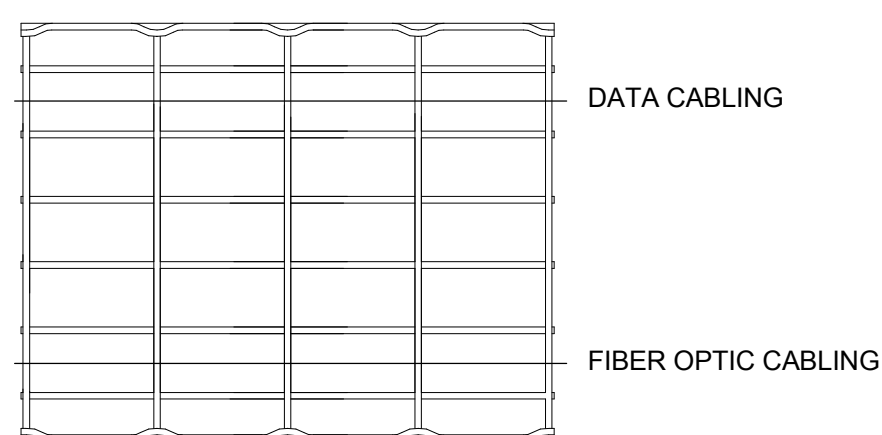
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TECHNOLOGY - STEAM TUNNEL

PROJECT TITLE  
CONSTRUCT NEW IT CENTER  
FOR HEALTH CARE  
TECHNOLOGY MANAGEMENT  
EXPANSION

DATE  
04/01/2015  
PROJECT SCALE  
AS NOTED  
PROJECT NO.  
656-14-246  
CADD FILE  
XXX  
DRAWING NO.  
T203

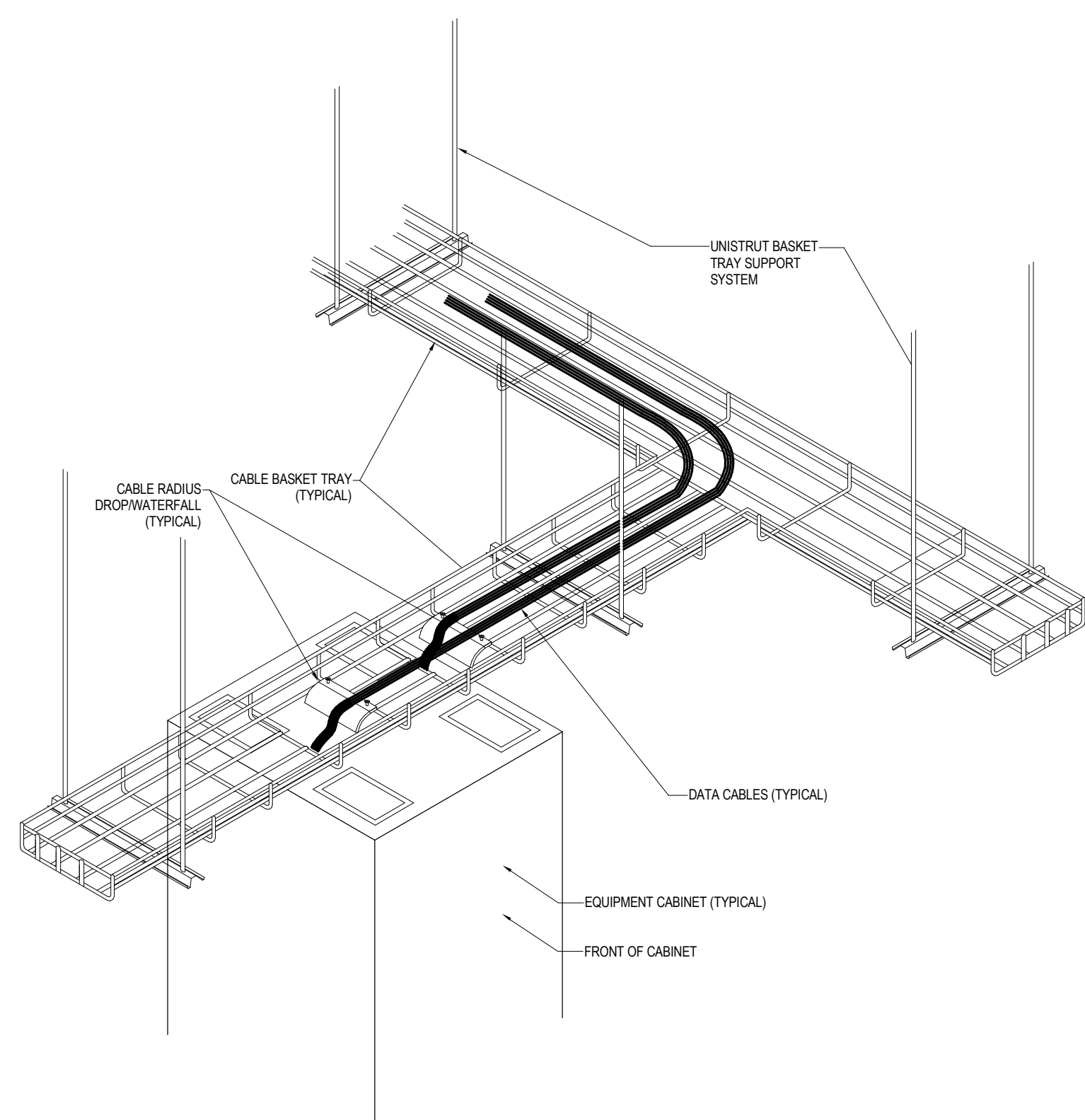


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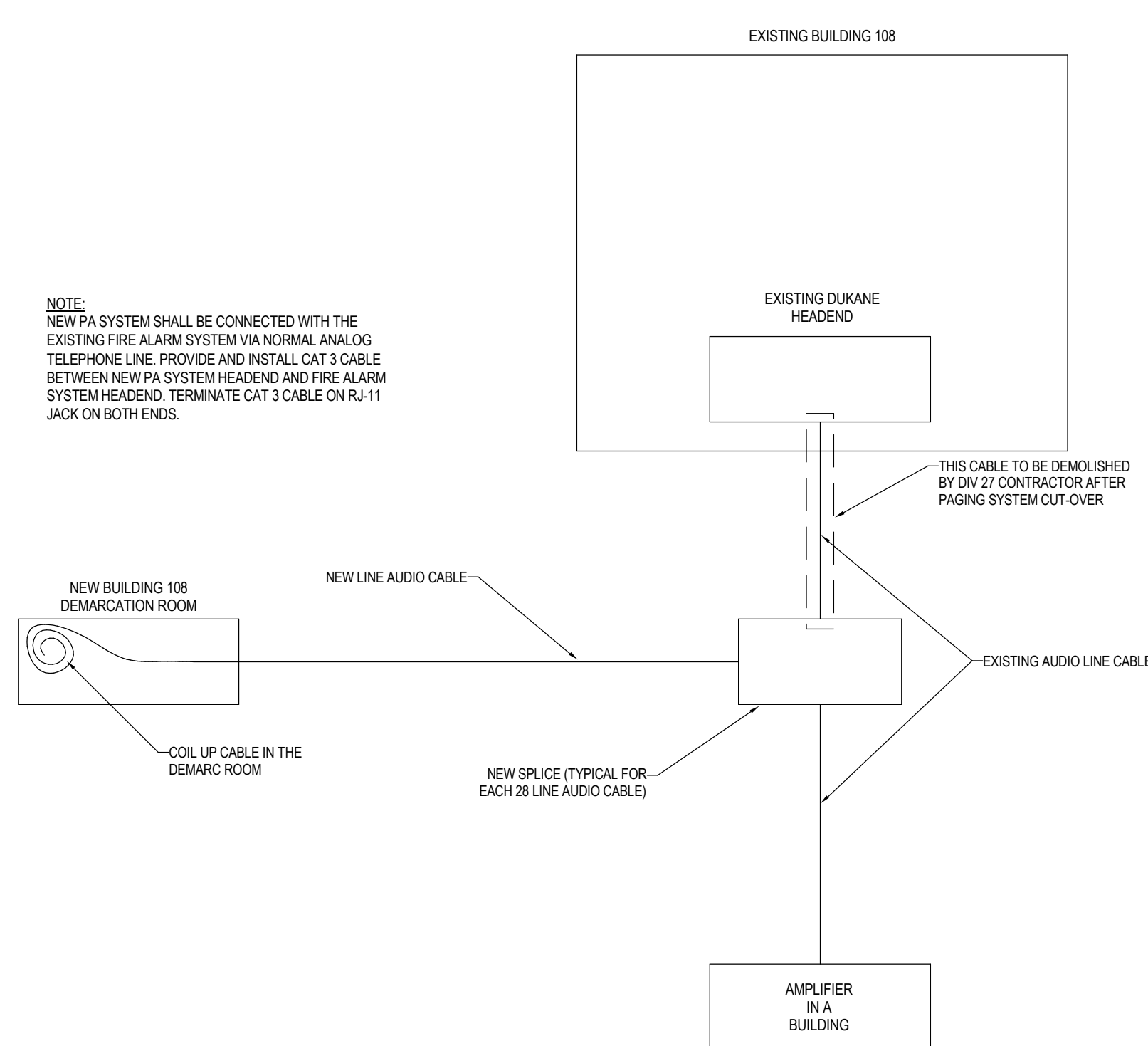


1 CABLE TRAY LAYOUT  
SCALE: NTS

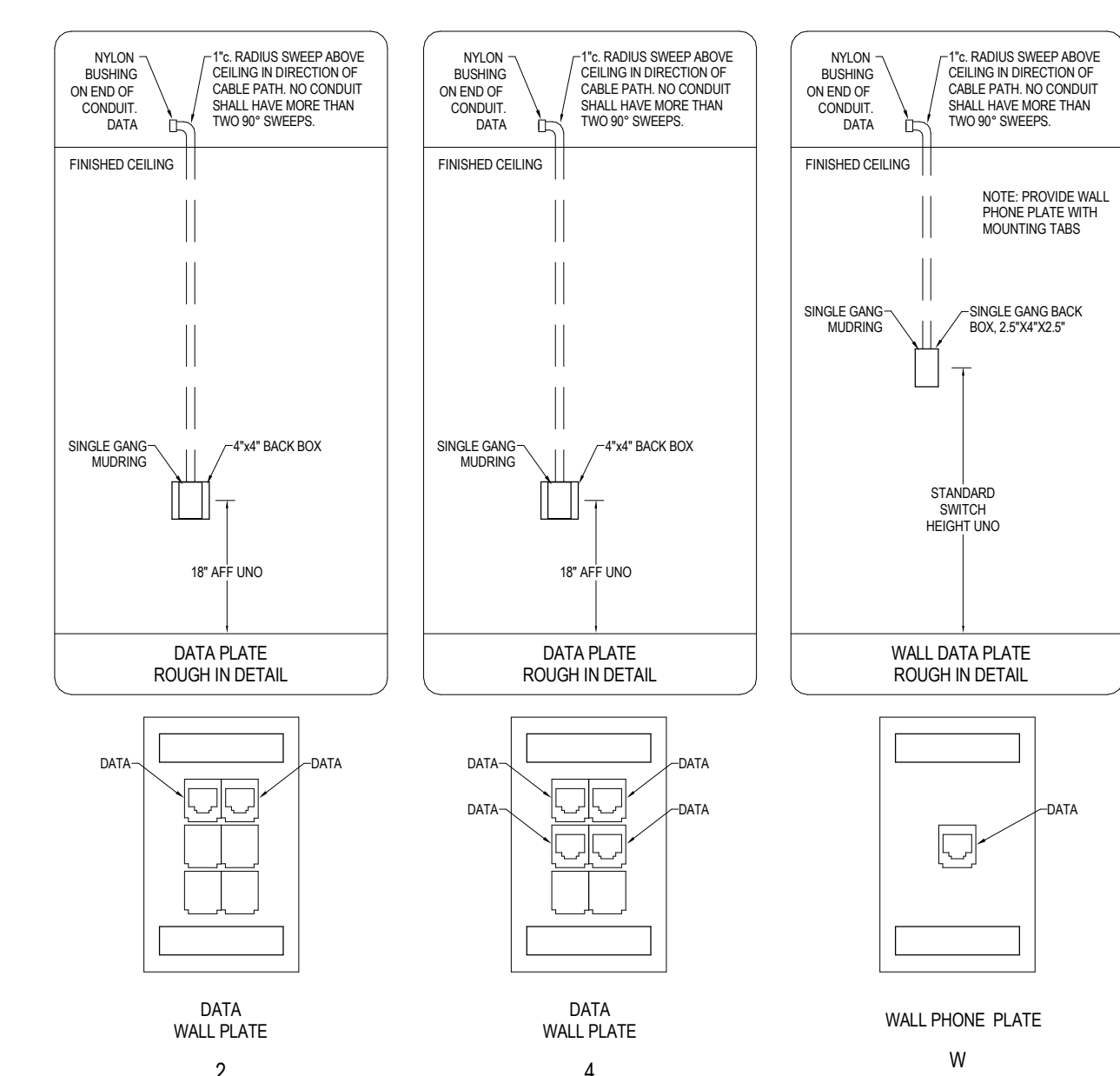
2 4-POST RACK MANAGEMENT DETAIL  
SCALE: NTS



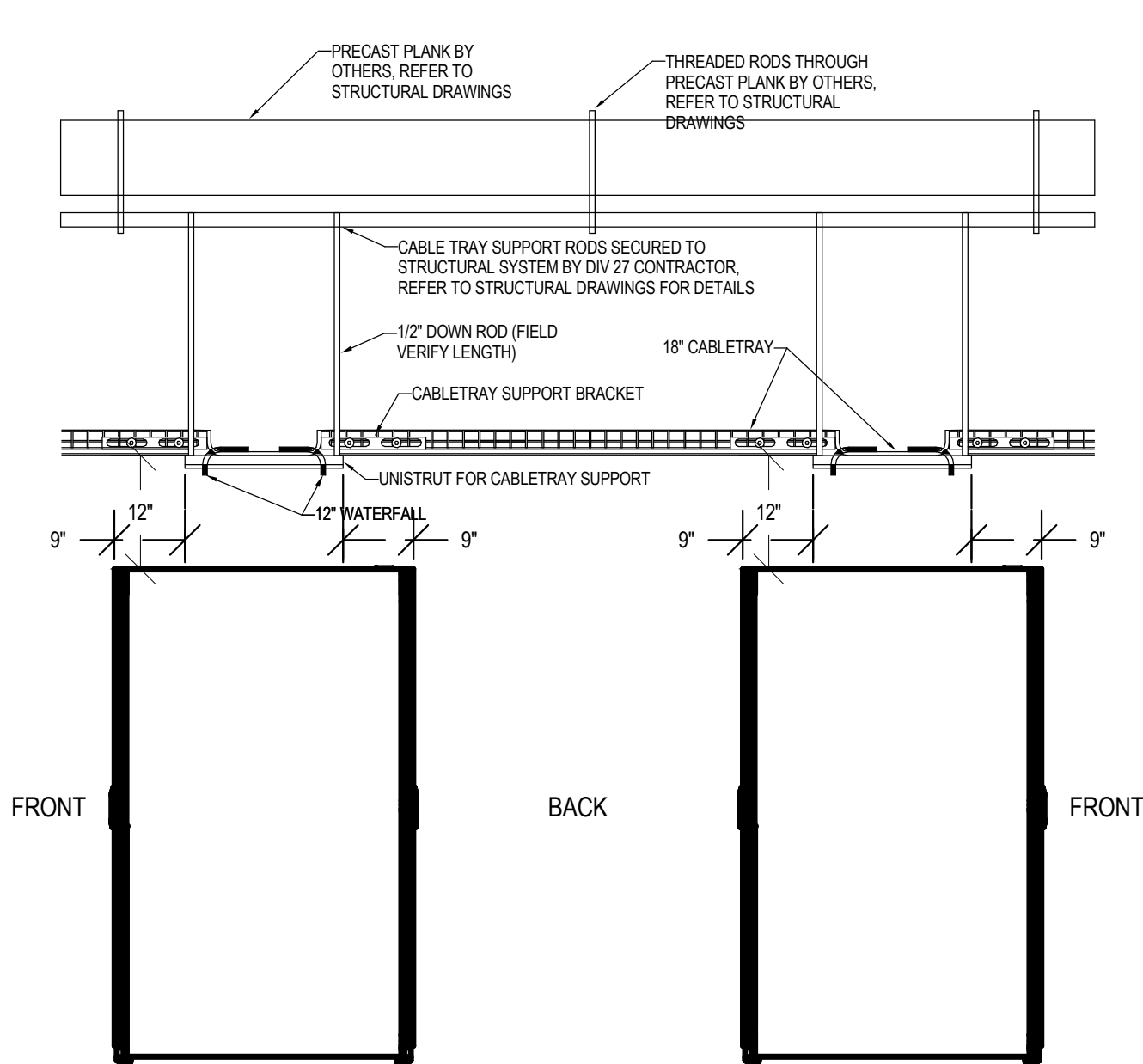
3 TYPICAL LADDER RACK INSTALLATION ABOVE EQUIPMENT CABINETS/ CABLE ROUTING DETAIL  
SCALE: NTS



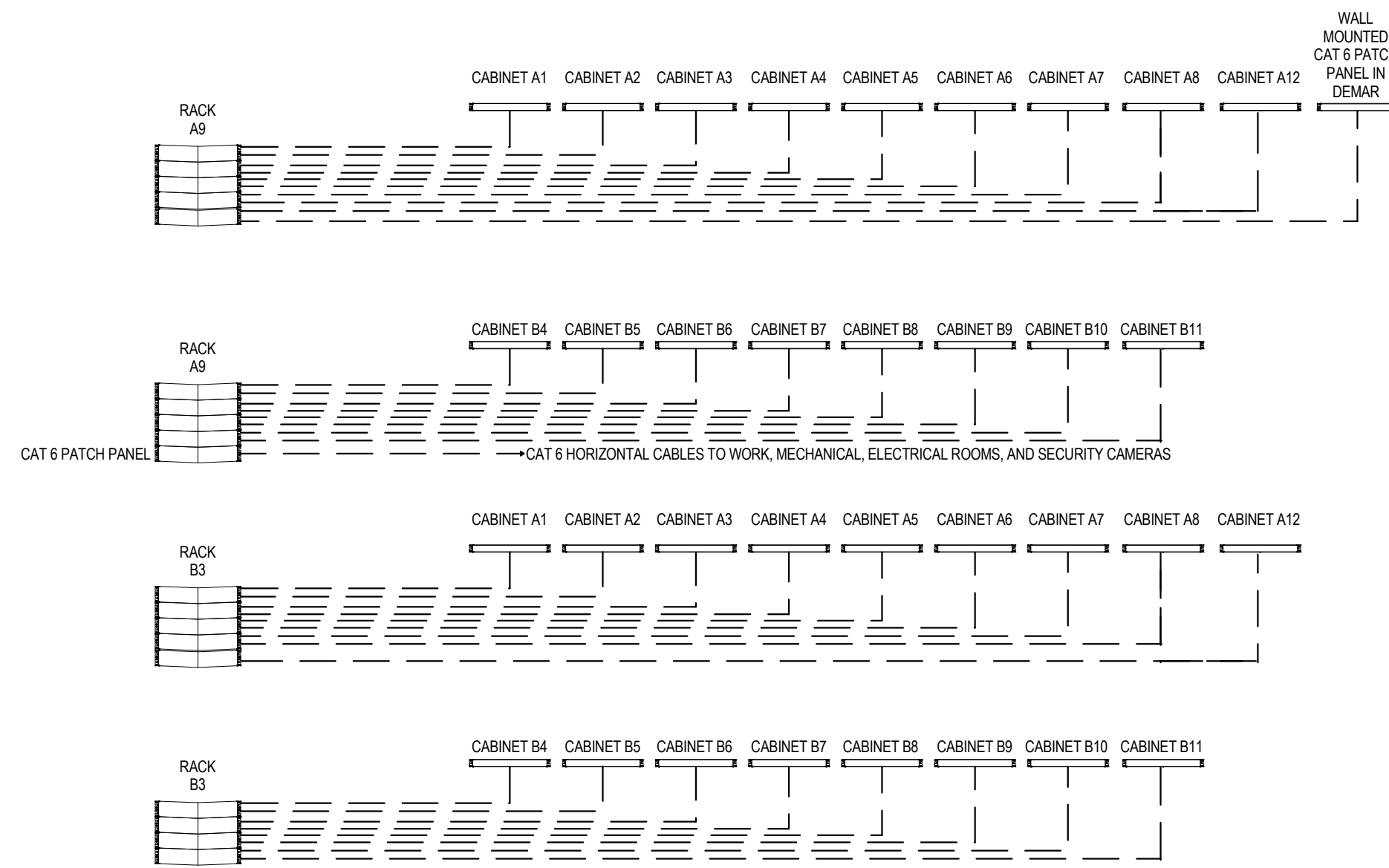
4 LINE AUDIO SPLICING DETAIL  
SCALE: NTS



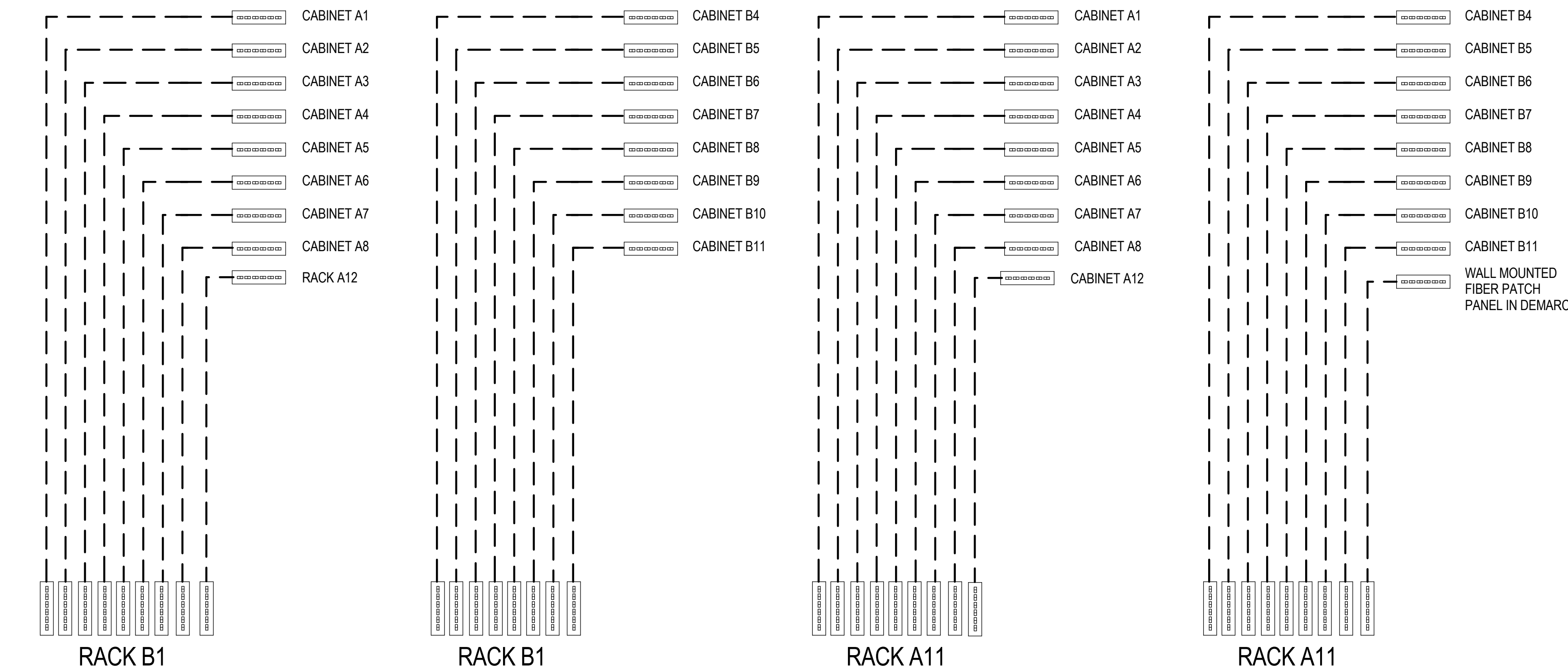
6 DATA ROUGH-IN DETAILS  
SCALE: NS



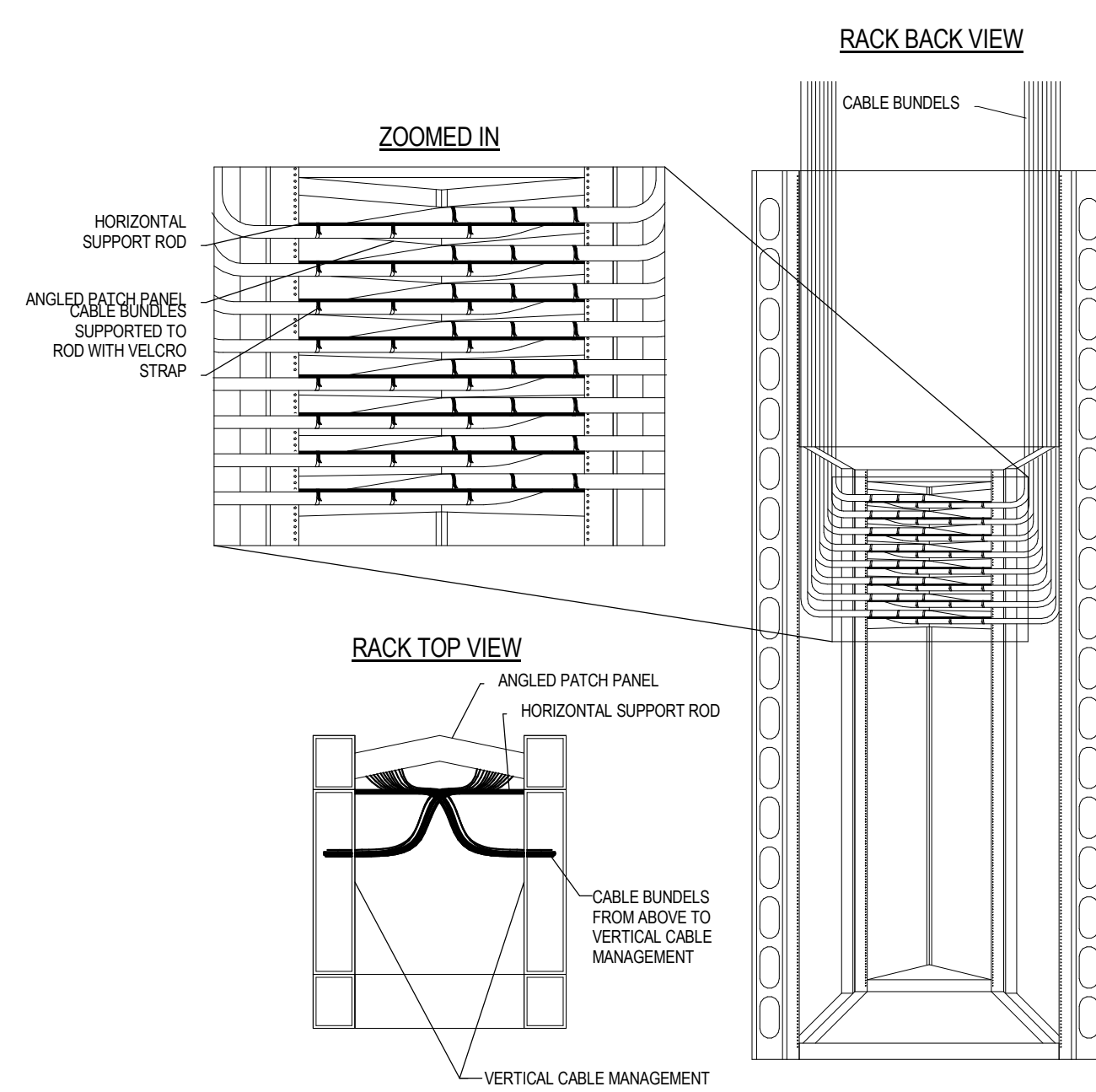
7 CABLE SUPPORT ELEVATION DETAIL  
SCALE: NS



5 COPPER AND FIBER CONNECTIVITY DIAGRAMS  
SCALE: NTS



8 TYPICAL CABINETS ELEVATION A1-A8 AND B4-B11  
SCALE: NTS



9 CABLE DISTRIBUTION DETAIL  
SCALE: NTS

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DRAWING TITLE  
TECHNOLOGY DETAILS

PROJECT TITLE  
CONSTRUCT NEW IT CENTER  
FOR HEALTH CARE  
TECHNOLOGY MANAGEMENT  
EXPANSION

DATE  
04/01/2015

PROJECT NO.  
656-14-246

CAD FILE  
XXX

DRAWING NO.  
TS01



three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot  
one eighth inch = one foot

A

B

C

D

E

F

F

A

B

C

D

E

F

F

PAGER SYSTEM  
IN  
NEW BUILDING 108  
ZETRON  
ENTERPRISE 2500

M-66 BLOCK

BUILDING 1  
ROOM 310

RJ-21X CONNECTOR

COORDINATE  
TERMINATION OF  
CABLES WITH  
OWNER

COORDINATE  
TERMINATION OF  
CABLES WITH  
OWNER

THREE NEW CAT 6  
CABLES

PBX  
COORDINATE  
TERMINATION OF  
CABLES WITH  
OWNER

1 PAGER SYSTEM CONNECTIVITY DIAGRAM  
SCALE: NTS

NEW CAT 3 COPPER  
BACKBONE CABLES  
EXISTING COPPER  
BACKBONE CABLES

NEW SPLICE  
ENCLOSURES

Kitchen	100 pairs
Building 108	100 pairs
Building 14	100pairs
Building 88	100 pairs

Building 1 Room A003	100 pairs
Building 1 Room A101	100 pairs
Building 1 Room A216	100 pairs
Building 1 Room 20	600 pairs
Building 1 Room 127	1000 pairs
Building 1 Room 229	700 pairs
Building 1 Room 310	100 pairs
Building 2 Room 001A	100 pairs
Building 2 Room 104A	400 pairs
Building 2 Room 250B	400 pairs
Building 3 Room 109	100 pairs
Building 3 Room205E	100 pairs
Building 4 Room 1	100 pairs
Building 4 Room 123C	400 pairs
Building 4 Room 222A	1100 pairs
Building 5 Room 117	200 pairs
Building 7 Room 100	200 pairs
Building 8 Room 012A	300 pairs
Building 14 Room 1	100 pairs
Building 28 Room 068A	200 pairs
Building 28 Room 123A	400 pairs
Building 28 Room 225A	500 pairs
Building 59 Room 5	100 pairs
Building 111 Room 100	200 pairs
Psych Building Room 107	100 pairs

110 FRAME  
NEW DATA CENTER

NEW SPLICE  
ENCLOSURES

NEW 108 DEMARC  
2500 FRAME

Building 9 Room 15A	500 pairs
Building 9 Room 100B	200 pairs
Building 9 Room 201	200 pairs
Building 10 Room 6	100 pairs
Building 11 Room C00	200 pairs
Building 29 Room 15	800 pairs
Building 29 Room 103A	500 pairs
Building 29 Room 231A	300 pairs
Building 48 Room 011B	200 pairs
Building 48 Room 123	400 pairs
Building 48 Room 221	400 pairs
Building 49 Room 33	500 pairs
Building 49 Room 139	400 pairs
Building 49 Room 241	400 pairs
Building 50 Room 023	300 pairs
Building 50 Room 103	200 pairs
Building 50 Room 201A	400 pairs
Building 51 Room 001	400 pairs
Building 51 Room 103A	200 pairs
Building 51 Room 249	500 pairs
Building 92	50 pairs
Building 95 Room 113	100 pairs
Building 96 Room 103	100 pairs
Building 109 Room 101	100 pairs
Rehab Building Room 111	100 pairs

2 COPPER CONNECTIVITY DIAGRAM  
SCALE: NTS

KEY  
12 STRAND SINGLE-MODE/12 STRAND MULTI-MODE OM 4, OFNP FIBER  
6 STRAND MULTI-MODE OM 4 / 6 STRANDS SM, OFNP FIBER PIGTAIL  
12 STRAND SINGLE-MODE FIBER PIGTAIL  
24 STRAND OFNP SINGLE-MODE FIBER  
SINGLE-MODE FIBER 12 LC CASSETTE = SM  
MULTI-MODE FIBER 12 LC CASSETTE = MM  
MULTI-MODE / SINGLE-MODE FIBER 6 LC MM 6 LC SM CASSETTE  
SINGLE-MODE FIBER 24 LC CASSETTE = SM

SPLICE ENCLOSURE  
BUILDING#  
ROOM #

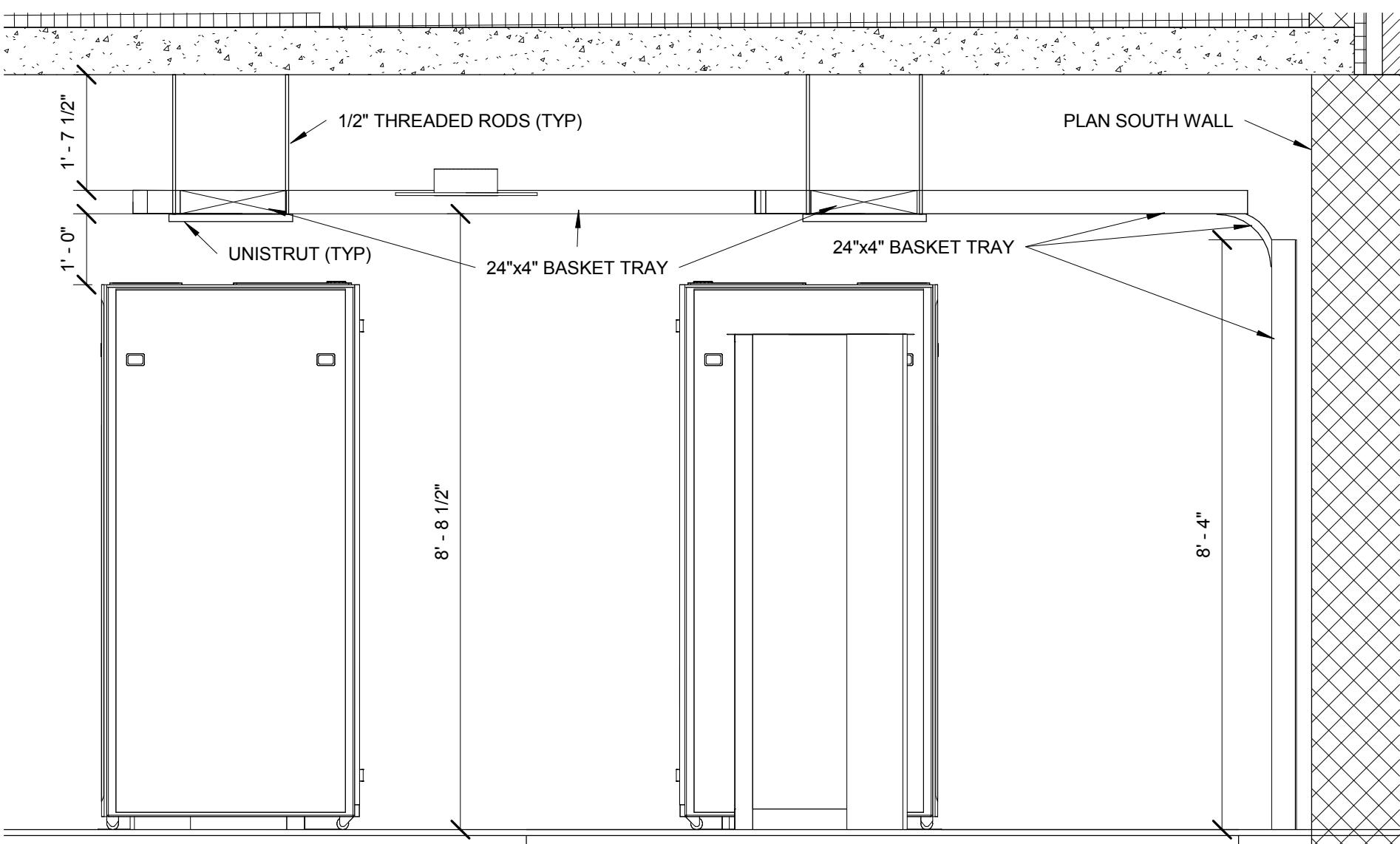
SPLICE ENCLOSURE  
4"x4"x2" ELECTRICAL BOX  
EXISTING FIRE ALARM CABLE  
NEW FIRE ALARM CABLE TO  
NEW BUILDING 108 CBL 15 NEW  
CABLE IN DEMARCATION POINT

4 FIRE ALARM SPLICING DIAGRAM  
SCALE: NTS

SPLICE ENCLOSURE IN NEW BUILDING 108 DEMARC	
Building 1 Room 127	PP #1 "A11"
MM	PP #1 "B1"
SM	PP #1 "A11"
Building 1 Room 229	PP #1 "B1"
MM	PP #1 "A11"
SM	PP #1 "B1"
Building 1 Room A 003	PP #1 "A11"
MM	PP #1 "B1"
SM	PP #1 "A11"
Building 1 Room A 101	PP #1 "A11"
MM	PP #1 "B1"
SM	PP #1 "A11"
Building 1 Room A 216	PP #1 "A11"
MM	PP #1 "B1"
SM	PP #1 "A11"
Building 2 Room 001	PP #1 "A11"
MM	PP #1 "B1"
SM	PP #1 "A11"
Building 3 Room 109	PP #1 "A11"
MM	PP #1 "B1"
SM	PP #1 "A11"
Building 3 Room 205E	PP #1 "A11"
MM	PP #1 "B1"
SM	PP #1 "A11"
Building 4 Room 123C	PP #1 "A11"
MM	PP #1 "B1"
SM	PP #1 "A11"
Building 4 Room 222A	PP #1 "A11"
MM	PP #1 "B1"
SM	PP #1 "A11"
Building 5 Room 114	PP #1 "A11"
MM	PP #1 "B1"
SM	PP #1 "A11"
Building 6 Room 104B	PP #1 "A11"
MM	PP #1 "B1"
SM	PP #1 "A11"
Building 8 Room 012A	PP #1 "A11"
MM	PP #1 "B1"
SM	PP #1 "A11"
Building 28 Room 068A	PP #1 "A11"
MM	PP #1 "B1"
SM	PP #1 "A11"
Building 88 Room 112	PP #1 "A11"
MM	PP #1 "B1"
SM	PP #1 "A11"
Building 95 Room 113	PP #1 "A11"
MM	PP #1 "B1"
SM	PP #1 "A11"
Building 108 Data Center	PP #1 "A11"
MM	PP #1 "B1"
SM	PP #1 "A11"
Kitchen	PP #1 "A11"
MM	PP #1 "B1"
SM	PP #1 "A11"

SPLICE ENCLOSURE IN NEW BUILDING 108 DEMARC	
Building 9 Room 015A	PP #4 "A11"
SM	PP #4 "B1"
Building 10 Room 6	PP #4 "A11"
SM	PP #4 "B1"
Building 11 Room C00	PP #4 "A11"
SM	PP #4 "B1"
Building 14 Room 101A	PP #4 "A11"
SM	PP #4 "B1"
Building 29 Room 068A	PP #4 "A11"
SM	PP #4 "B1"
Building 48 Room 123	PP #4 "A11"
SM	PP #4 "B1"
Building 48 Room 221	PP #4 "A11"
SM	PP #4 "B1"
Building 49 Room 139	PP #4 "A11"
SM	PP #4 "B1"
Building 49 Room 277	PP #4 "A11"
SM	PP #4 "B1"
Building 50 Room 103	PP #4 "A11"
SM	PP #4 "B1"
Building 51 Room 103A	PP #4 "A11"
SM	PP #4 "B1"
Building 51 Room 101	PP #4 "A11"
SM	PP #4 "B1"
Building 109 Room 101	PP #4 "A11"
SM	PP #4 "B1"
Building 111 Room 100	PP #4 "A11"
SM	PP #4 "B1"
Building 111 Room 100	COIL UP THIS FIBER
Rehab Building Room 111	UNTERMINATED
Psych Building Room 107	PP #5 "A11"
SM	PP #5 "B1"

3 FIBER BACKBONE DIAGRAM  
SCALE: NTS



5 CABINET ELEVATION  
SCALE: 1/2" = 1'-0"

CONSTRUCTION DOCUMENTS 100%



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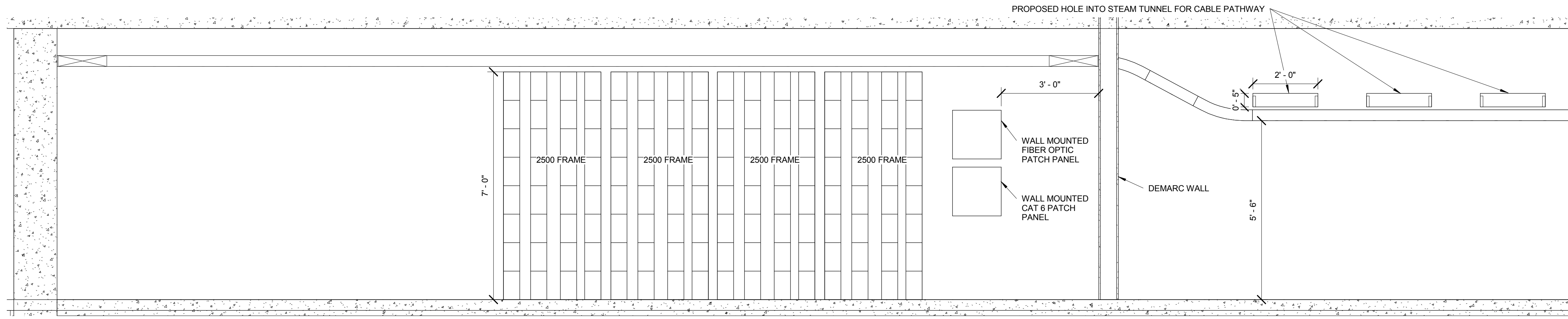
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DATE 04/01/2015

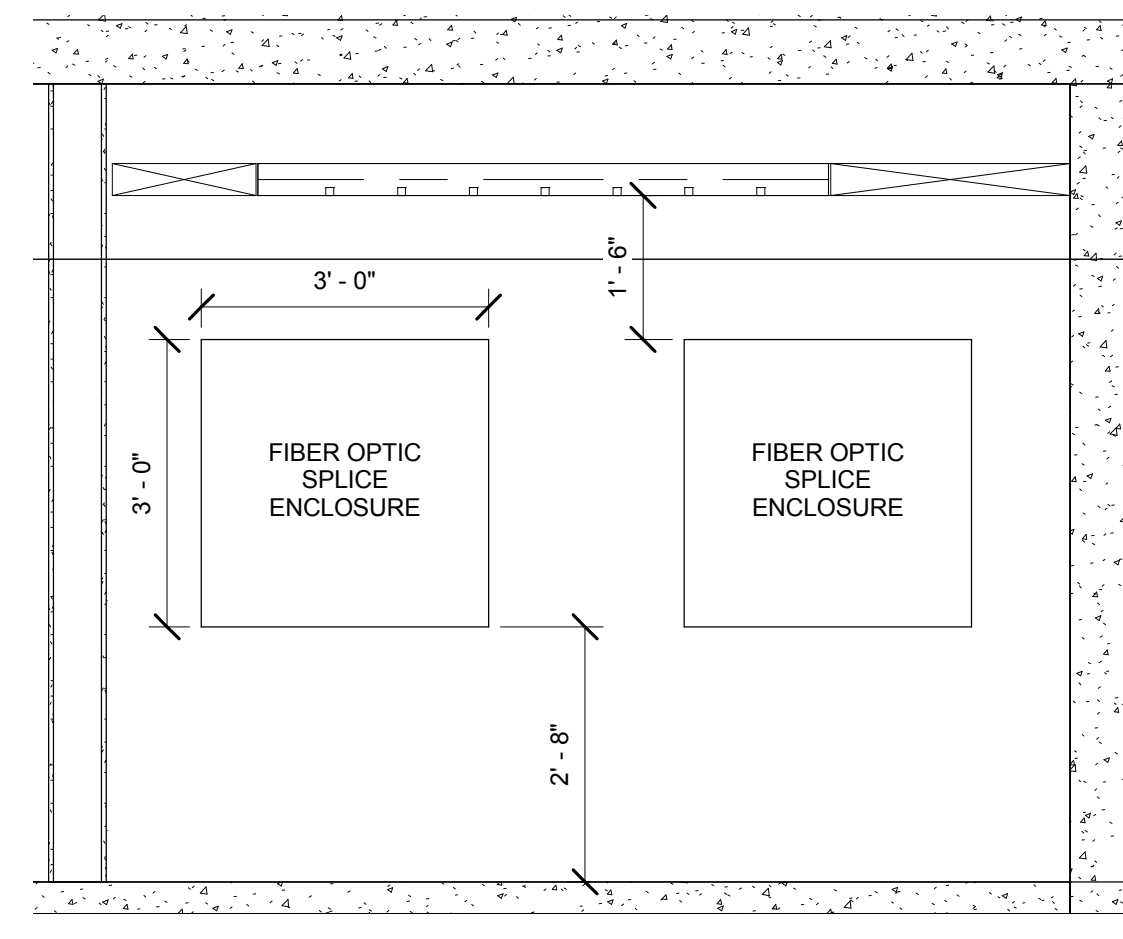
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651.430.2772 fax: 651.430.2661  
www.elert.com

PROJECT TITLE  
CONSTRUCT NEW IT CENTER  
FOR HEALTH CARE  
TECHNOLOGY MANAGEMENT  
EXPANSION  
BUILDING No  
CHECKED BY  
FF  
DRAWN  
AD  
DATE FILE  
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DRAWING NO  
T502

St. Cloud VA  
Health Care System  
Brainerd | Montevideo | Alexandria

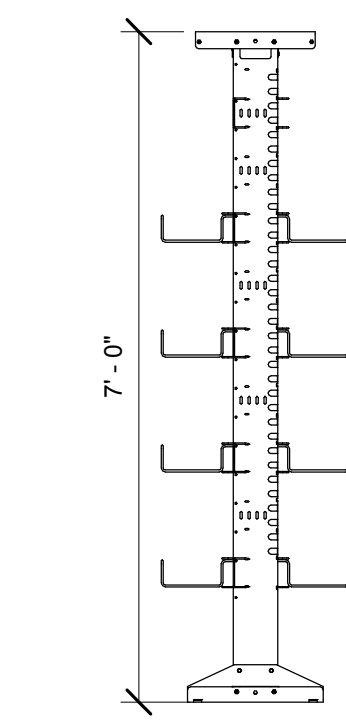
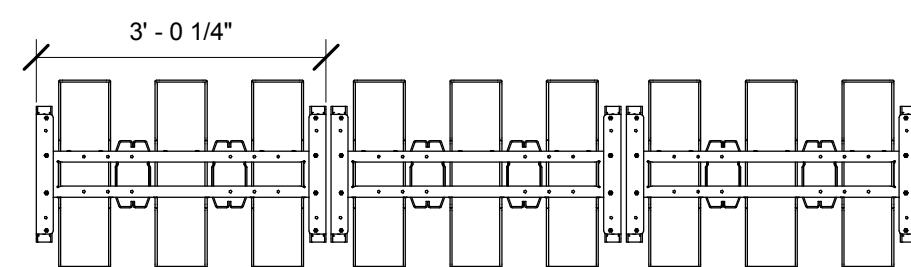


**1** DEMARC SOUTH WALL ELEVATION  
SCALE: 1/2" = 1'-0"

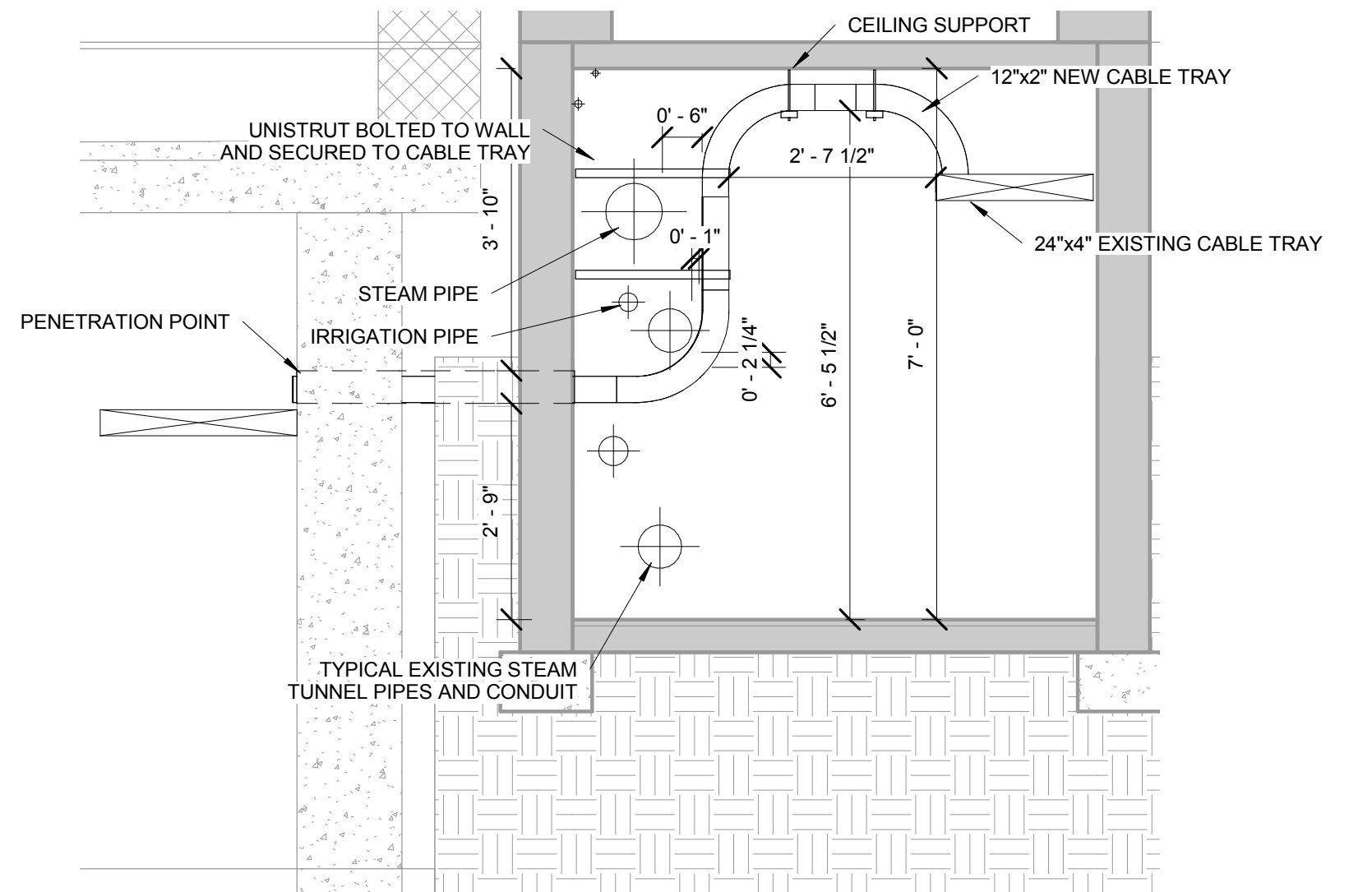
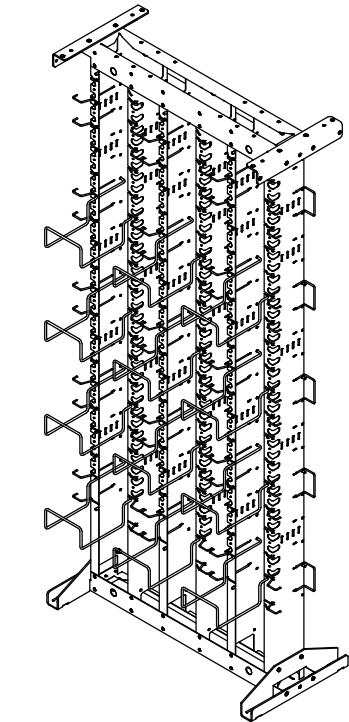


**2** DEMARC EAST WALL ELEVATION  
SCALE: 1/2" = 1'-0"

EACH PAIR OF THE EXISTING COPPER BACKBONE SYSTEM SHALL BE TESTED FOR CONTINUITY PRIOR TO THE SPLICING WORK STARTS. THE CONSTRUCTOR SHALL DOCUMENT AND REPORT TO THE OWNER COPPER PAIRS THAT HAVE NOT PASS THE CONTINUITY TEST.



**3** 110 FRAME ELEVATION DIAGRAM  
SCALE: 1/2" = 1'-0"



**4** STEAM TUNNEL PENETRATION AND CABLE TRAY ELEVATION  
SCALE: 1/2" = 1'-0"

EAST WALL	DISTRIBUTION CABLES			PBX			PBX			DISTRIBUTION CABLES		
	BUILDING 1 RM A003 PAIRS 001-100	BUILDING 1 RM 127 PAIRS 401-500	BUILDING 1 RM 229 PAIRS 601-700						BUILDING 3 RM 109 PAIRS 001-100	BUILDING 4 RM 222A PAIRS 801-600	BUILDING 8 RM 012A PAIRS 201-300	
	BUILDING 1 RM 20 PAIRS 001-100	BUILDING 1 RM 127 PAIRS 501-600	BUILDING 1 RM A216 PAIRS 001-100						BUILDING 3 RM 205E PAIRS 001-100	BUILDING 4 RM 222A PAIRS 801-700	BUILDING 9 RM 015A PAIRS 001-100	
	BUILDING 1 RM 20 PAIRS 101-200	BUILDING 1 RM 127 PAIRS 601-700	BUILDING 1 RM 310 PAIRS 001-100						BUILDING 4 RM 1 PAIRS 001-100	BUILDING 4 RM 222A PAIRS 701-800	BUILDING 9 RM 015A PAIRS 101-200	
	BUILDING 1 RM 20 PAIRS 201-300	BUILDING 1 RM 127 PAIRS 701-800	BUILDING 2 RM 001A PAIRS 001-100						BUILDING 4 RM 123C PAIRS 801-900	BUILDING 4 RM 222A PAIRS 801-900	BUILDING 9 RM 015A PAIRS 101-200	
	BUILDING 1 RM 20 PAIRS 301-400	BUILDING 1 RM 127 PAIRS 801-900	BUILDING 2 RM 104A PAIRS 001-100						BUILDING 4 RM 123C PAIRS 101-200	BUILDING 4 RM 222A PAIRS 901-1000	BUILDING 9 RM 015A PAIRS 301-400	
	BUILDING 1 RM 20 PAIRS 401-500	BUILDING 1 RM 127 PAIRS 901-1000	BUILDING 2 RM 104A PAIRS 101-200						BUILDING 4 RM 123C PAIRS 201-300	BUILDING 4 RM 222A PAIRS 1001-1100	BUILDING 9 RM 015A PAIRS 401-500	
	BUILDING 1 RM 20 PAIRS 501-600	BUILDING 1 RM 229 PAIRS 001-100	BUILDING 2 RM 104A PAIRS 201-300						BUILDING 4 RM 123C PAIRS 301-400	BUILDING 5 RM 117 PAIRS 001-100	BUILDING 9 RM 100B PAIRS 001-100	
	BUILDING 1 RM A101 PAIRS 001-100	BUILDING 1 RM 229 PAIRS 101-200	BUILDING 2 RM 104A PAIRS 301-400						BUILDING 4 RM 222A PAIRS 101-200	BUILDING 5 RM 117 PAIRS 101-200	BUILDING 9 RM 100B PAIRS 101-200	
	BUILDING 1 RM 127 PAIRS 001-100	BUILDING 1 RM 229 PAIRS 201-300	BUILDING 2 RM 205B PAIRS 001-100						BUILDING 4 RM 222A PAIRS 101-200	BUILDING 7 RM 100 PAIRS 001-100	BUILDING 9 RM 201 PAIRS 001-100	
	BUILDING 1 RM 127 PAIRS 101-200	BUILDING 1 RM 229 PAIRS 301-400	BUILDING 2 RM 205B PAIRS 101-200						BUILDING 4 RM 222A PAIRS 201-300	BUILDING 7 RM 100 PAIRS 101-200	BUILDING 9 RM 201 PAIRS 101-200	
	BUILDING 1 RM 127 PAIRS 201-300	BUILDING 1 RM 229 PAIRS 401-500	BUILDING 2 RM 205B PAIRS 201-300						BUILDING 4 RM 222A PAIRS 301-400	BUILDING 8 RM 012A PAIRS 001-100	BUILDING 10 RM 6 PAIRS 001-100	
BUILDING 1 RM 127 PAIRS 301-400	BUILDING 1 RM 229 PAIRS 501-600	BUILDING 2 RM 205B PAIRS 301-400						BUILDING 4 RM 222A PAIRS 401-500	BUILDING 8 RM 012A PAIRS 101-200	FUTURE		
SOUTH RACKS												
DISTRIBUTION CABLES			DISTRIBUTION CABLES			DISTRIBUTION CABLES			DISTRIBUTION CABLES			
BUILDING 11 RM C00 PAIRS 001-100	BUILDING 28 RM 225A PAIRS 301-400	BUILDING 29 RM 130A PAIRS 201-300	BUILDING 48 RM 221 PAIRS 001-100	BUILDING 49 RM 139 PAIRS 301-400	BUILDING 50 RM 201A PAIRS 301-400	BUILDING 53 RM 5 PAIRS 001-100	FUTURE	FUTURE				
BUILDING 11 RM C00 PAIRS 101-200	BUILDING 28 RM 225A PAIRS 401-500	BUILDING 29 RM 130A PAIRS 301-400	BUILDING 48 RM 221 PAIRS 101-200	BUILDING 49 RM 241 PAIRS 001-100	BUILDING 51 RM 001 PAIRS 001-100	BUILDING 88 RM 112 PAIRS 001-100	FUTURE	FUTURE				
BUILDING 14 RM 1 PAIRS 001-100	BUILDING 29 RM 15 PAIRS 001-100	BUILDING 29 RM 130A PAIRS 401-500	BUILDING 48 RM 221 PAIRS 201-300	BUILDING 49 RM 241 PAIRS 101-200	BUILDING 51 RM 001 PAIRS 101-200	BUILDING 92 PAIRS 001-050	FUTURE	FUTURE				
BUILDING 28 RM 068A PAIRS 001-100	BUILDING 29 RM 15 PAIRS 101-200	BUILDING 29 RM 231A PAIRS 001-100	BUILDING 48 RM 221 PAIRS 301-400	BUILDING 49 RM 241 PAIRS 201-300	BUILDING 51 RM 001 PAIRS 201-300	BUILDING 95 RM 113 PAIRS 001-100	FUTURE	FUTURE				
BUILDING 28 RM 068A PAIRS 101-200	BUILDING 29 RM 15 PAIRS 201-300	BUILDING 29 RM 231A PAIRS 101-200	BUILDING 49 RM 33 PAIRS 001-100	BUILDING 49 RM 241 PAIRS 301-400	BUILDING 51 RM 001 PAIRS 301-400	BUILDING 96 RM 103 PAIRS 001-100	FUTURE	FUTURE				
BUILDING 28 RM 123A PAIRS 001-100	BUILDING 29 RM 15 PAIRS 301-400	BUILDING 29 RM 231A PAIRS 201-300	BUILDING 49 RM 33 PAIRS 101-200	BUILDING 50 RM 023 PAIRS 001-100	BUILDING 51 RM 103A PAIRS 001-100	BUILDING 108 PAIRS 001-100	FUTURE	FUTURE				
BUILDING 28 RM 123A PAIRS 101-200	BUILDING 29 RM 15 PAIRS 401-500	BUILDING 48 RM 011B PAIRS 001-100	BUILDING 49 RM 33 PAIRS 201-300	BUILDING 50 RM 023 PAIRS 101-200	BUILDING 51 RM 103A PAIRS 101-200	BUILDING 109 RM 101 PAIRS 001-100	FUTURE	FUTURE				
BUILDING 28 RM 123A PAIRS 201-300	BUILDING 29 RM 15 PAIRS 501-600	BUILDING 48 RM 011B PAIRS 101-200	BUILDING 49 RM 33 PAIRS 301-400	BUILDING 50 RM 023 PAIRS 201-300	BUILDING 51 RM 249 PAIRS 001-100	KITCHEN PAIRS 001-100	FUTURE	FUTURE				
BUILDING 28 RM 123A PAIRS 301-400	BUILDING 29 RM 15 PAIRS 601-700	BUILDING 48 RM 123 PAIRS 001-100	BUILDING 48 RM 33 PAIRS 401-500	BUILDING 50 RM 103 PAIRS 001-100	BUILDING 51 RM 249 PAIRS 101-200	BUILDING 111 RM 100 PAIRS 001-100	FUTURE	FUTURE				
BUILDING 28 RM 225A PAIRS 001-100	BUILDING 29 RM 15 PAIRS 701-800	BUILDING 48 RM 123 PAIRS 101-200	BUILDING 49 RM 139 PAIRS 001-100	BUILDING 50 RM 201A PAIRS 001-100	BUILDING 51 RM 249 PAIRS 201-300	BUILDING 111 RM 100 PAIRS 101-200	FUTURE	FUTURE				
BUILDING 28 RM 225A PAIRS 101-200	BUILDING 29 RM 130A PAIRS 001-100	BUILDING 48 RM 123 PAIRS 201-300	BUILDING 49 RM 139 PAIRS 101-200	BUILDING 50 RM 201A PAIRS 101-200	BUILDING 51 RM 249 PAIRS 301-400	REHAB BUILDING RM 111 PAIRS 001-100	FUTURE	FUTURE				
BUILDING 28 RM 225A PAIRS 201-300	BUILDING 29 RM 130A PAIRS 101-200	BUILDING 48 RM 123 PAIRS 301-400	BUILDING 49 RM 139 PAIRS 201-300	BUILDING 50 RM 201A PAIRS 201-300	BUILDING 51 RM 249 PAIRS 401-500	PSYCH BUILDING RM 106 PAIRS 001-100	FUTURE	FUTURE				

**5** DATA CENTER 110 FRAME ELEVATION DIAGRAM  
SCALE: NTS

**6** BUILDING 108 DEMARC 2500 FRAME ELEVATION  
SCALE: NTS

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DATE: 04/01/2015  
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DRAWING TITLE  
TECHNOLOGY DETAILS

PROJECT TITLE  
CONSTRUCT NEW IT CENTER  
FOR HEALTH CARE  
TECHNOLOGY MANAGEMENT  
EXPANSION

BUILDING No. 50  
CHECKED BY FF  
DRAWN BY AD  
DATE FILE XXX  
DRAWING No. T503

